

CASE# FY94-3530

SITE ASSESSMENT
FOR
Robin Road Drum
Houston, Harris County, Texas

December 31, 1994

Prepared for:

J. Chris Petersen
Deputy Project Officer
Emergency Response Branch
EPA - REGION 6

Contract Number: 68-WO-0037



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International Specialists in the Environment

CASE# FY94-3530

Date: December 31, 1994

To: Warren Zehner, OSC
EPA Region 6, Emergency Response Branch

Thru: J. Chris Petersen, DPO
EPA Region 6, Emergency Response Branch

Thru: Chris Quina, TATL
Region 6, Technical Assistance Team

From: Mariano Gomez
Region 6, Technical Assistance Team

Subj: Site Assessment Report: Robin Road Drum
Houston, Harris County, Texas
TDD# T06-9410-077
PAN ETX1510SBA
LAT: 29°38'02" North
LONG: 95°24'21" West

I. INTRODUCTION

On June 9, 1994, On-Scene-Coordinator (OSC) Warren Zehner, Region 6 Environmental Protection Agency Emergency Response Branch (EPA-ERB), tasked the Technical Assistance Team (TAT) to conduct a site assessment at the abandoned Mat Chemicals, Inc. facility located in the city of Houston, Harris County, Texas. The geographic center of the site is at LAT 29°38'02" North LONG 95°24'21" West as scaled from the Bellaire Texas quadrangle USGS 7.5 minute topographic map and a 5 second interval template. The TAT was tasked to:

- 1) Conduct drive-by assessment;
- 2) Obtain verbal and written site access;
- 3) Conduct site assessment activities;
- 4) Inventory all drums/tanks and document labels;
- 5) Field screen (HAZCAT) drums;
- 6) Conduct sampling on selected drums based on hazcat results and enforcement needs;
- 7) Photodocument all activities;
- 8) Provide assistance to EPA's Criminal Investigation Division (EPA-CID) with enforcement sampling;
- 9) Coordinate with OSC and update OSC by phone and POLREP.

II. BACKGROUND

The Mat Chemicals, Inc. facility is located in a light industrial area in the southern section of Houston, Harris County, Texas. The site's physical address is 2233 Robin Boulevard (Attachment A). Also located in the industrial area, approximately 100 yards west and across Robin Boulevard, is the Gulf States Paint Company facility. The site is located less than 2000 feet northwest of Sims Bayou, just outside a 500-year flood area as designated by the Federal Emergency Management Office (FEMA) National Flood Insurance Program (Attachment C - Flood Map). A vacant building neighbors the facility to the south.

Over the years, the site has housed a diversity of establishments. The following historical information was obtained from EPA's Criminal Investigations Division (EPA-CID):

- Mr. Peter Matienzo is the current owner of the building and property housing the vacant Mat Chemicals, Inc. facility (Attachment F - Access Agreement);
- March 11, 1988, Mr. Matienzo purchased the property from Valley Solvents, William Davis, President;
- November 10, 1989, Mr. Matienzo sells assets and liabilities, but not the property, to Pan American Trading Development Company (PATDCO). 2 Park Avenue, New York, New York. Peter Klause, contact.
- September 1, 1991, PATDCO goes bankrupt;
- September 1991, the Mat Chemicals facility is leased to CETEC Trading Inc.;
- Joe Luca (50% owner CETEC Trading Inc.) had a disagreement with Marsha Hajacate (also 50% owner CETEC Trading Inc.). On March 10, 1991, Joe Luca resigned from CETEC Trading Inc. and CETEC Processing, Inc.;
- July 13, 1992, Mr. Matienzo breaks lease with CETEC Trading, Inc.; BOTE, Inc. signs lease;
- BOTE Inc. moves out August - September 1993.
- It is unknown at this time whether or not Joe Luca had ever been an employee of BOTE, Inc.

The site consists of three buildings which house materials from a former fuel blending operation. The site has been investigated by EPA-CID and the City of Houston. EPA-CID investigator Steve Wells did a reconnaissance noticing odors emanating from the site. The City of Houston issued a written violation notice to the facility's owner.

EPA-CID notified OSC Zehner and requested technical assistance to evaluate the site.

III. ACTIONS TAKEN

On June 9, 1994, OSC Zehner mobilized the TAT to conduct an assessment of the Mat Chemicals Facility.

On June 9, 1994, TAT obtained a site access agreement from Mr. Matienzo via fax (Attachment N).

On June 10, 1994, TAT members Satish Reddy and Mariano Gomez visited the facility to conduct a preliminary assessment. Visible from Robin Boulevard were 17 aboveground storage tanks (ASTs) ranging in approximate capacity from 1,000 to 10,000 gallons (Attachment D - Photographs 101 - 103). The contents of these ASTs were unknown, but labels reading "fuel oil" were visible on tanks 1 - 6. These ASTs were surrounded by secondary containment systems, however, there was visible contaminated soil within. The integrity of the ASTs ranged from average to poor. Also visible from the road was one building which apparently housed both office and work areas.

Once inside the facility's gates, it was evident that there were four adjoining structures rather than one single building: office, warehouse 1 (W1), warehouse 2 (W2), and warehouse 3 (W3) as depicted in the attached site sketch (Attachment B - Site Sketch).

All doors leading into and connecting these warehouses were open. Inside W1 there were approximately 60 drums ranging in capacity from 5 to 55 gallons and with unknown volumes and contents. Their integrity could not be assessed due to the lack of light inside the building (Attachment E - Photographs 104 - 106). The contents of W2 and W3 could not be assessed from the TAT position. Located on the south bay were approximately 40 additional drums of diverse capacities and with unknown volumes and contents (Attachment E - Photographs 109 and 112). On the east end of the facility were five additional ASTs ranging in size from 3,000 to 16,000 gallons. The two 16,000-gallon tanks appeared to be divided into 4 compartments. Xylene and health rating placards were visible on these ASTs (Attachment E - Photographs 107 - 108). Also located in the area was a small pond which appeared to be the receiving body for the site's storm-water drainage (Attachment E - Photographs 113). One underground storage tank (UST) was located north of W1 (Attachment B - Site Sketch).

On that same date, TAT communicated the initial findings to the OSC. The OSC tasked TAT to prepare for sampling and field screening of all of the containers on-site.

On June 13, 1994, TAT members Mariano Gomez, Satish Reddy, Andrea Abat and Roberta Haglund performed a thorough inventory of the facility prior to sampling and field screening operations.

Location	# of Containers
Warehouse 1 (W1)	119 Drums
Warehouse 2 (W2)	50 Drums 1 AST
Warehouse 3 (W3)	13 Drums
Outdoors	12 Drums 22 ASTs 2 USTs
South Bay	95 Drums

On June 16 and 17, 1994, TAT members Joe Cornelius, Sharon Reese, Moshood Leshi, Andrea Abat, Roberta Haglund, Bruce Ridpath, David Beeson, Satish Reddy and Mariano Gomez mobilized to the site to perform sample collection and field screening operations.

Field screening results demonstrated that most of the on-site materials exhibited RCRA characteristics of ignitability and corrosivity as defined in 40 CFR Part 261, Subpart C.

During the period from June 18 to June 29, 1994, TAT compiled a data base of the containers, their markings and hazard characteristics utilizing ERB's Drum Tracking Program (Attachments K and L).

On June 29, 1994, TAT provided EPA-CID investigator Steve Wells with a copy of the field screening results. After reviewing the results, Mr. Wells provided TAT with the container numbers he wanted to have sampled for enforcement purposes.

On July 13, 1994, TAT mobilized to the site to conduct enforcement sampling operations as well as soil sampling operations as outlined by the OSC. TAT collected 27 triplicate eight-ounce samples which were labelled, tagged, packaged and custody sealed. A chain of custody was completed and the samples were shipped via overnight carrier to EPA's National Enforcement Investigations Center (NEIC) laboratory in Denver, Colorado. These samples were analyzed for Resource Conservation Recovery Act (RCRA) characteristics and Toxicity Characteristic Leaching Procedure (TCLP-RCRA). Information regarding this sampling effort can be obtained from page 39 of the logbook.

On July 13, 1994, TAT collected six composite soil samples in order to assess the presence and extent of contamination at the site as outlined by the Quality Assurance Sampling Plan (QASP) in Attachment G. These soil samples were analyzed for priority pollutant (pp) volatile organics, pp semi-volatiles, pp

pesticides/PCBs, pp metals and total petroleum hydrocarbons (TPH), total phenols and total cyanide at the Ecology and Environment Analytical Service Center (EEASC) in Buffalo, New York.

Complete analytical results were received from EEASC on August 11, 1994. Site Quality Control Coordinator Moshood Leshi summarized and validated the data according to guidelines stipulated by OSWER directive 9360.4-01 Interim Final of April, 1990 procedures (Attachments H and I).

Analytical results showed the presence of volatile and semi-volatile organics in sample 003. TPH as gasoline with levels ranging from 480 to 11,000 parts per million (ppm) were detected in all samples. TPH as diesel was detected in samples 002, 003 and 004. Varying amounts of metals including chromium (631 ppm - sample 001), lead (486 ppm - sample 001), arsenic (23.3 ppm - sample 002) and zinc (1600 ppm - sample 002) were also detected. PCB-1260 was present in all samples in amounts varying from 0.44 ppm to 4.5 ppm. Total phenols were present in samples 003 and 006 in 0.5 ppm and 0.65 ppm respectively.

The Robin Road Drum Site will remain shutdown until enforcement efforts are completed by EPA-CID.

ATTACHMENTS:

2 Binders Labelled and Containing:

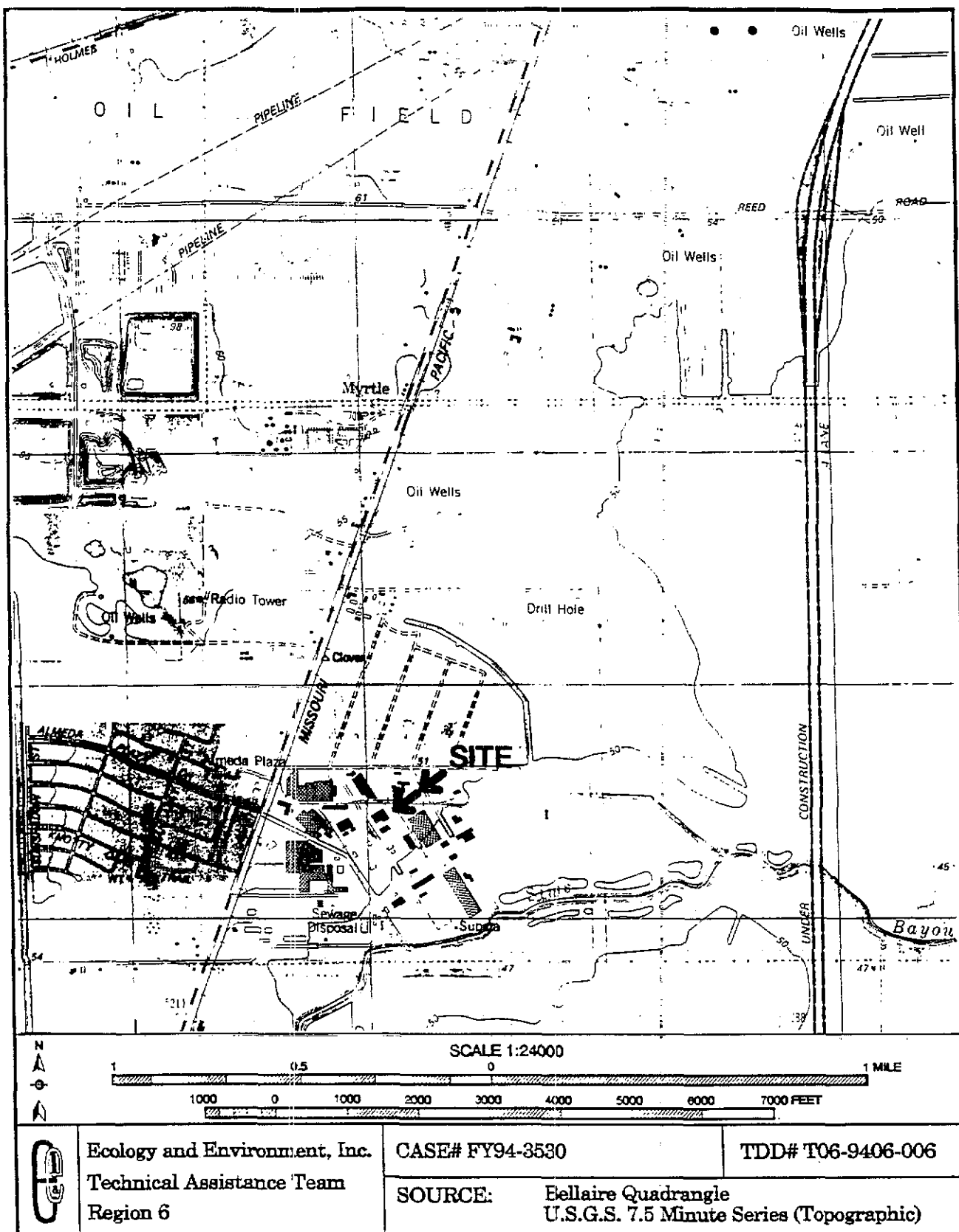
1 of 2

- A. Site Location Map
- B. Site Sketch
- C. Flood Map
- D. Photographs
- E. Unused Photographs (EPA file copy only)
- F. Negatives (TAT file copy only)
- G. Quality Assurance Sampling Plan (QASP)
- H. Analytical Data Summary
- I. Data Validation Report
- J. Analytical Data Package (Houston TAT file Only)

2 of 2

- K. Inventory of Drums (with tests)
- L. Drum Markings by Drum ID
- M. Original Field Screening Data (Houston TAT File Only)
- N. Access Agreement
- O. Records of Communication (15 pages)
- P. Copy of Logbook (pages 1 - 25 and 39 - 48)
- Q. Copies of TDD# T06-9406-006 and Amendment A, TDD# T06-9410-077 and Amendment A

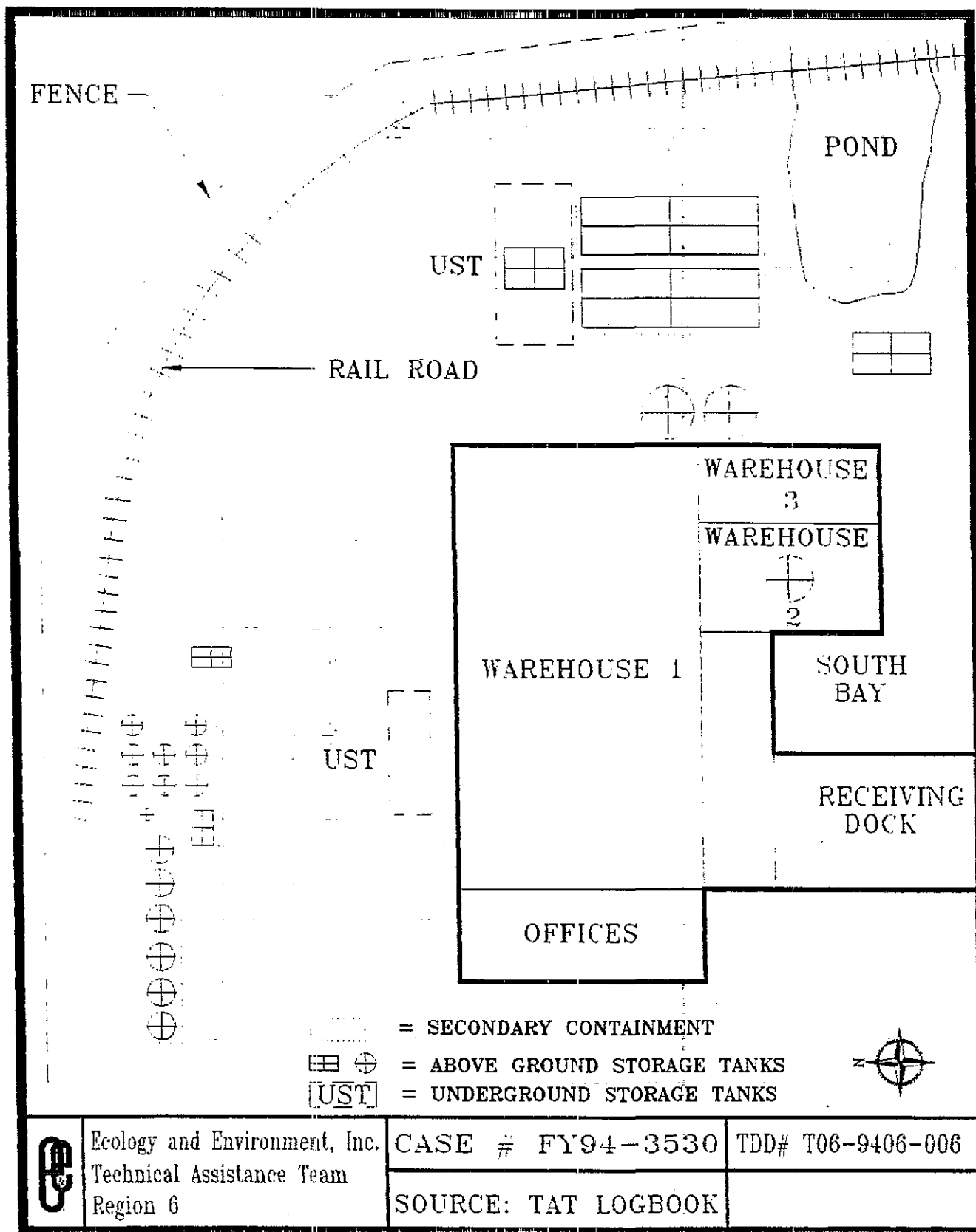
ATTACHMENT - A
SITE LOCATION MAP



ATTACHMENT A - SITE LOCATION
ROBIN ROAD DRUM SITE
HOUSTON, HARRIS COUNTY, TEXAS

ATTACHMENT - B

SITE SKETCH



ATTACHMENT B — SITE SKETCH MAP
ROBIN ROAD DRUM SITE
HOUSTON, HARRIS COUNTY, TEXAS

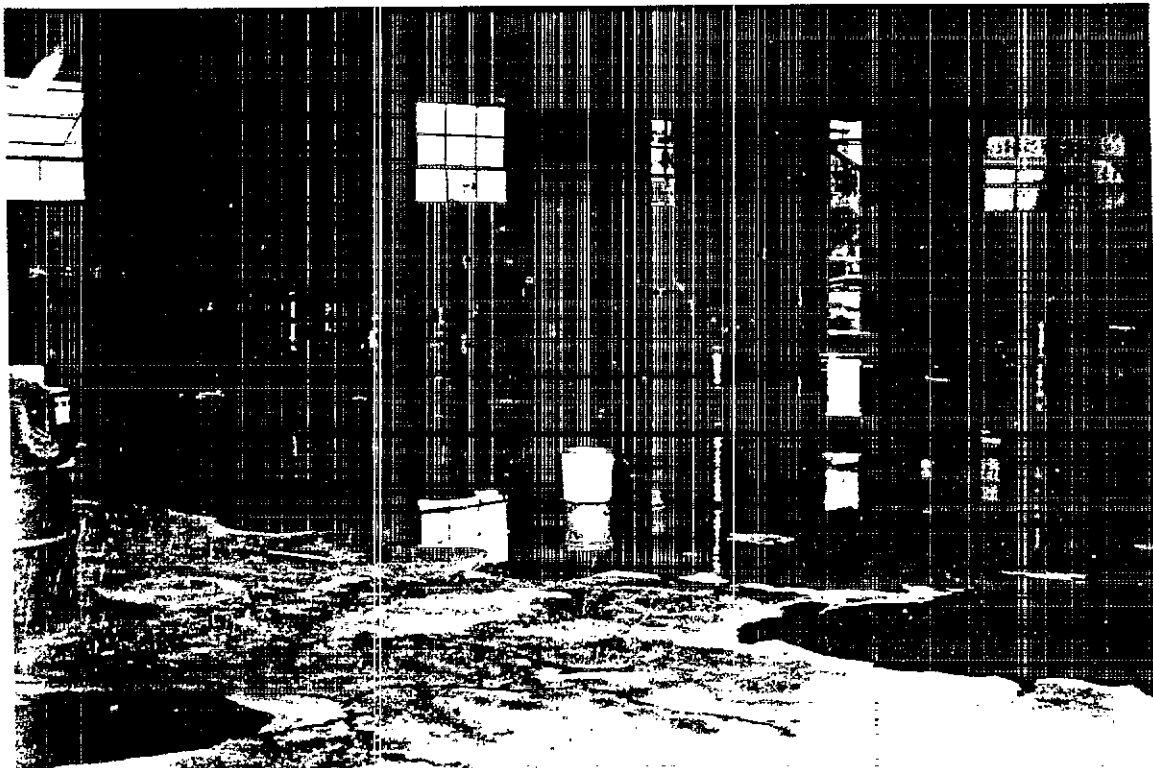
ATTACHMENT NOT INCLUDED

ATTACHMENT - C

FLOOD MAP

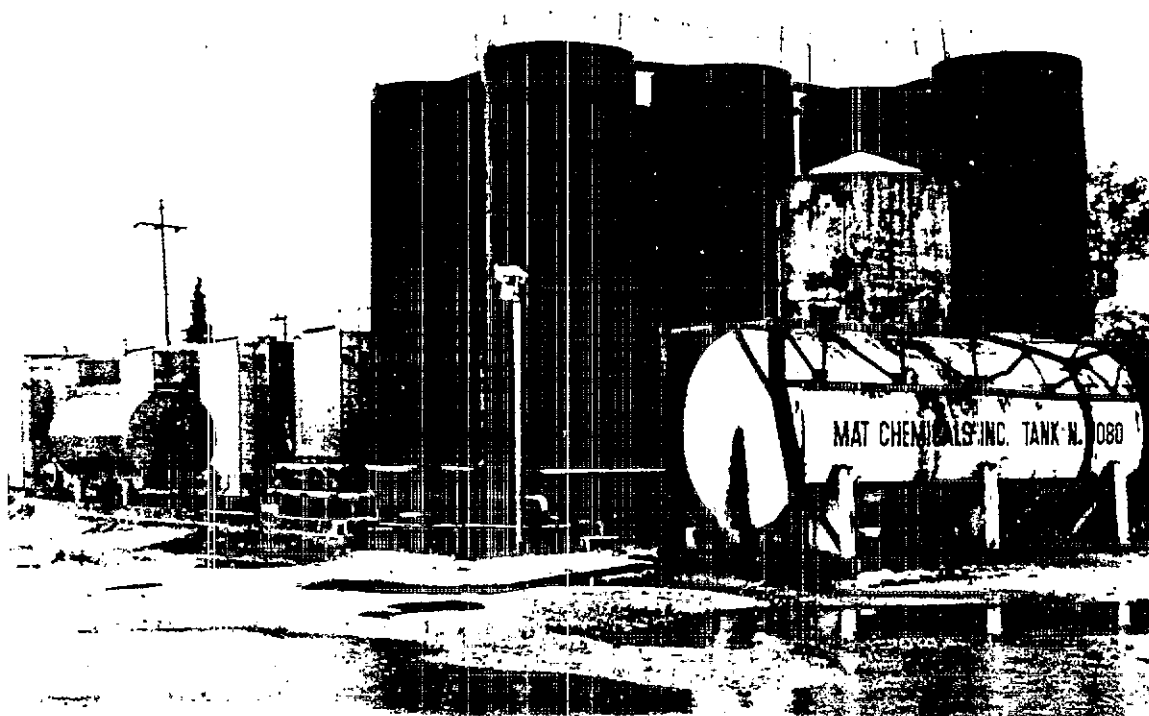
ATTACHMENT - D

PHOTOGRAPHS

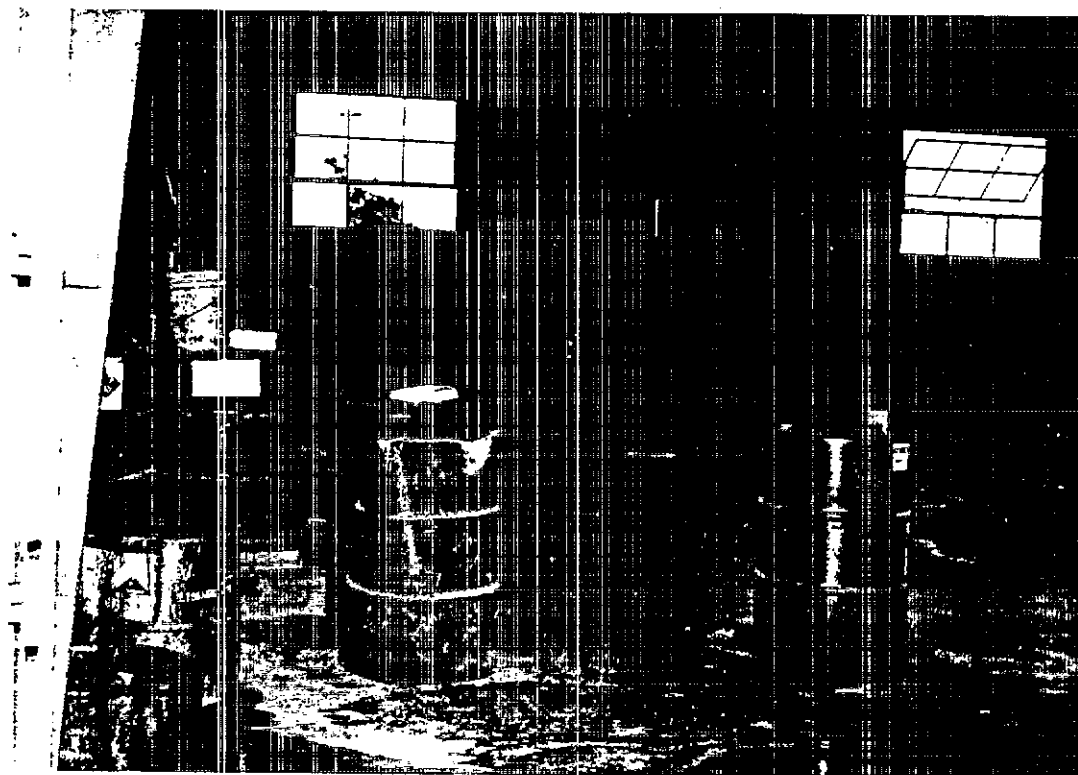


SITE NAME: Robin Road Drum TDD#: T06-9406-006
 PHOTO#: 103 PHOTOGRAPHER/WITNESS: Gomez/Reddy
 DATE 06/10/94 TIME 1520 DIRECTION: NW
 View of all the ASTs grouped on the north-west side of the facility.

SITE NAME: Robin Road Drum TDD#: T06-9406-006
 PHOTO#: 104 PHOTOGRAPHER/WITNESS: Gomez/Reddy
 DATE 06/10/94 TIME 1521 DIRECTION: East
 Drums and buckets inside the main warehouse building.

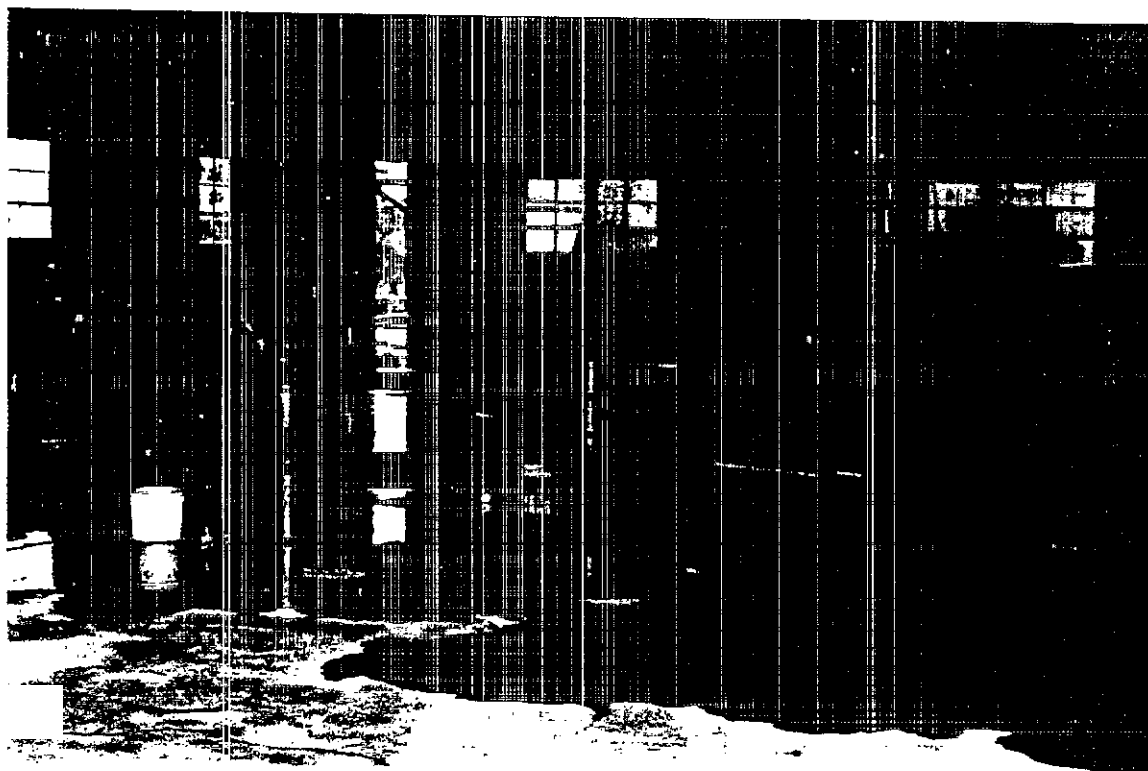


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SITE NAME: Robin Road Drum TDD#: T06.9406-006
 PHOTO#: 106 PHOTOGRAPHER WITNESS: Gomez/Reddy
 DATE: 06/10/94 TIME: 1521 DIRECTION: East
 Drums inside the facility's main warehouse. Several of the drums were in advanced stages of deterioration.

SITE NAME: Robin Road Drum TDD#: T06.9406-006
 PHOTO#: 106 PHOTOGRAPHER WITNESS: Gomez/Reddy
 DATE: 06/10/94 TIME: 1522 DIRECTION: SE
 View of the drums inside the facility's main warehouse. There was a large amount of pooled rain water inside this building.



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SITE NAME Robin Road Drum

TDD#: TC6 9406-006

PHOTO# 113 PHOTOGRAPHER WITNESS, Gomez-Reddy

DATE 06.10/94 TIME: 1528 DIRECTION: South

View of the pond at the south east corner of the facility. It appears to be the receiving body for all the rain water flowing into and out of the site.

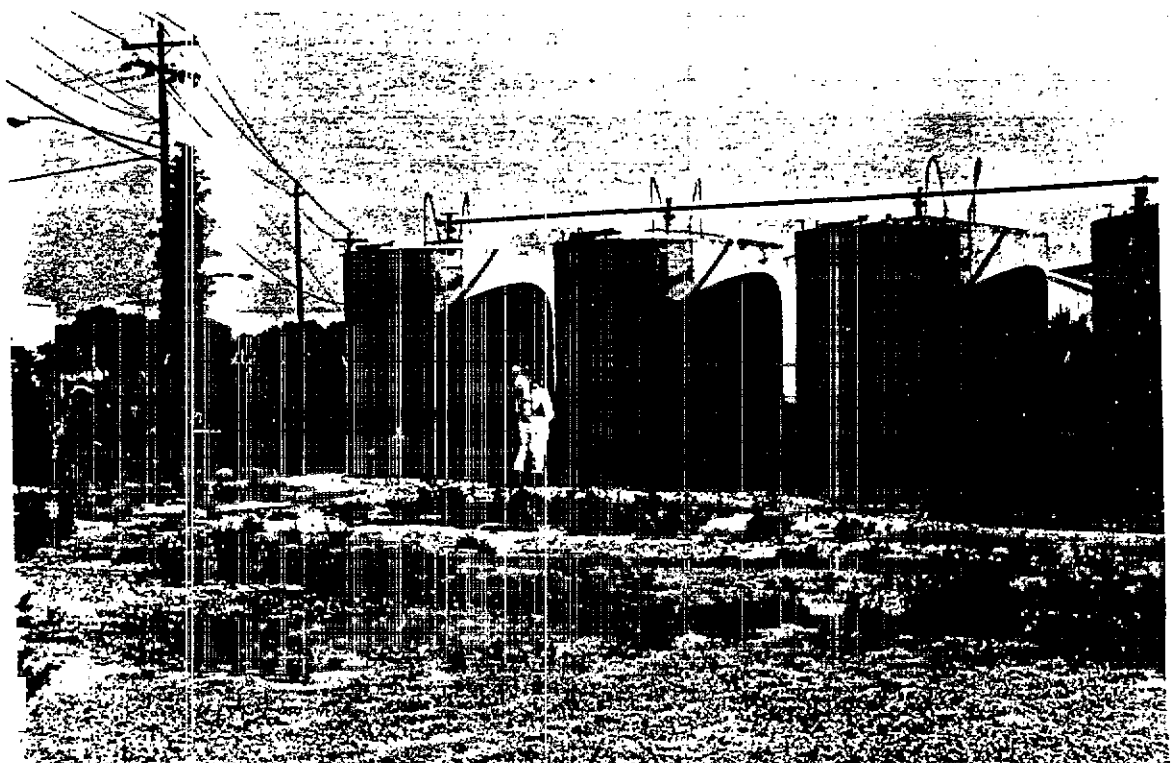
SITE NAME: Robin Road Drum

TDD#: T06.9406-006

PHOTO# 201 PHOTOGRAPHER WITNESS, Gomez-Reddy

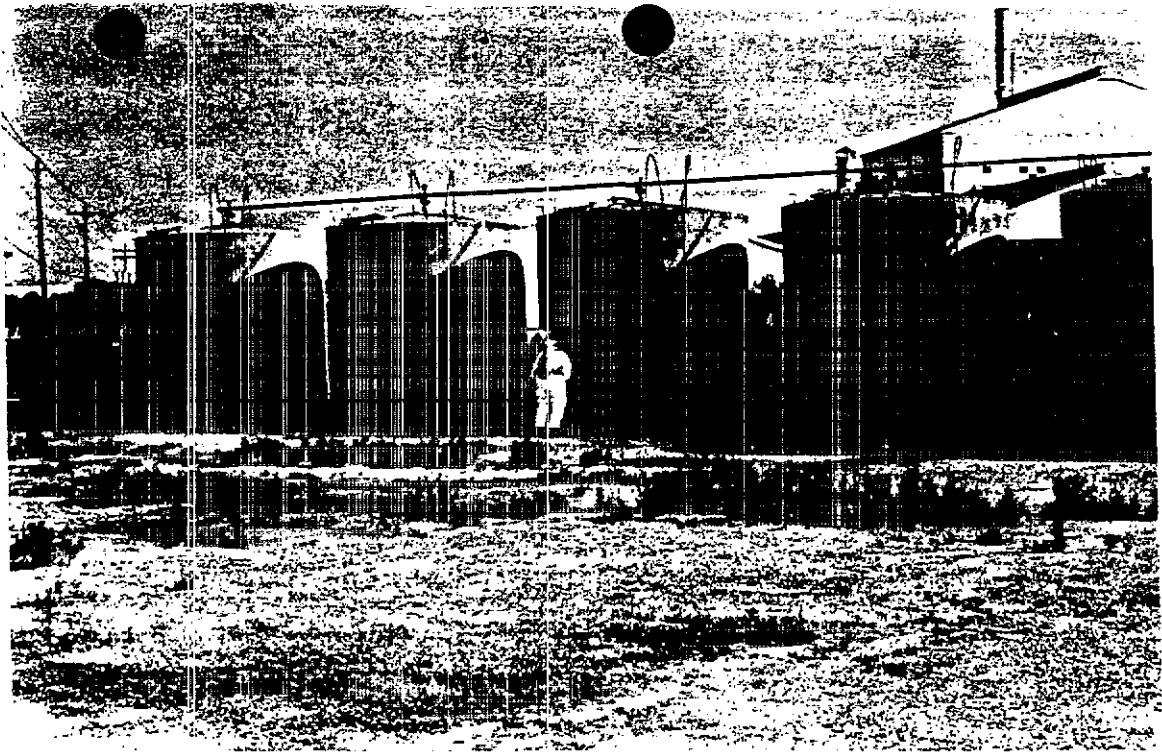
DATE 06.13/94 TIME: 1843 DIRECTION: North

TAT inhibitors conducting air monitoring operations around ASTs.



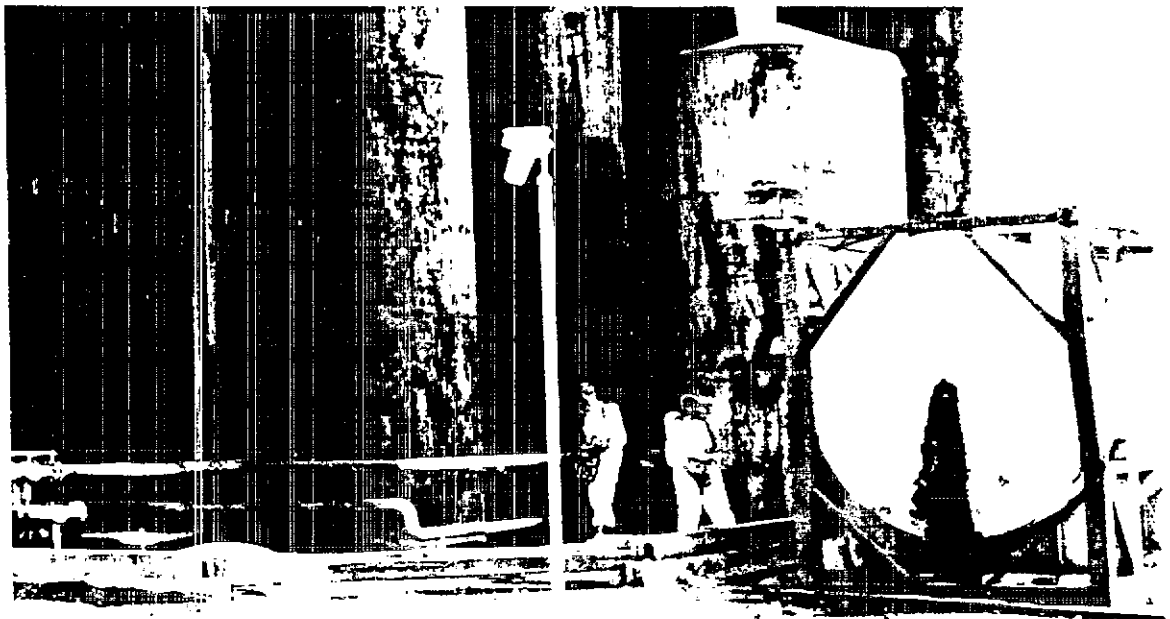
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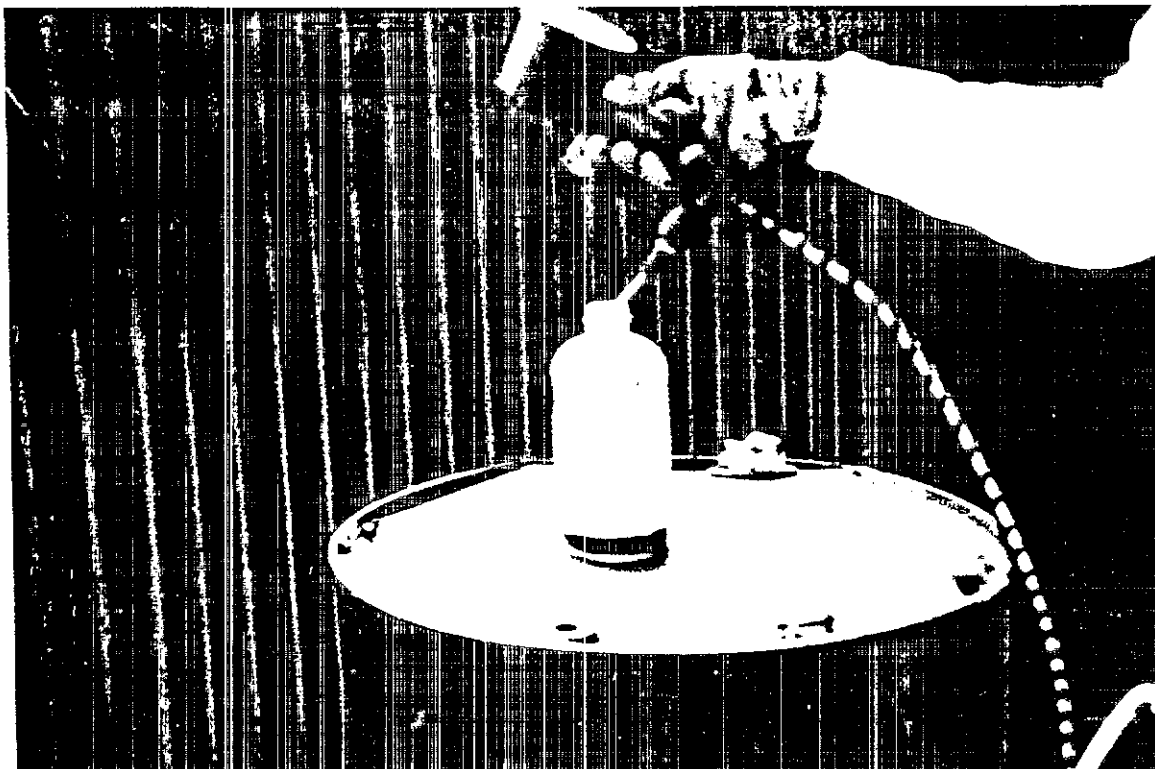
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SITE NAME: Robin Road Drum TDD#: T06 9406-006
 PHOTO#: 202 PHOTOGRAPHER/WITNESS: Gomez/Reddy
 DATE: 06.13/94 TIME: 0344 DIRECTION: North
 TAT members conducting air monitoring operations utilizing organic vapor analyzer (OVA)

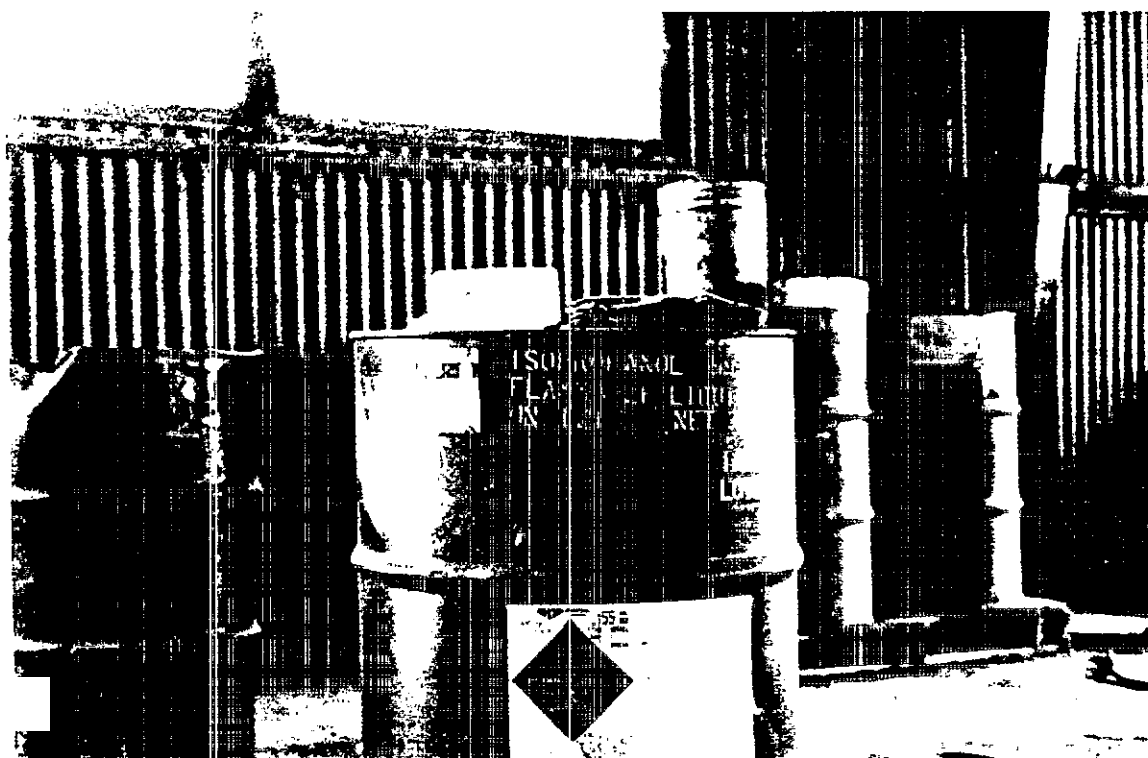
SITE NAME: Robin Road Drum TDD#: T06 9406-006
 PHOTO#: 203 PHOTOGRAPHER/WITNESS: Gomez/Reddy
 DATE: 06.13/94 TIME: 0247 DIRECTION: North
 TAT members conducting air monitoring operations outdoors.





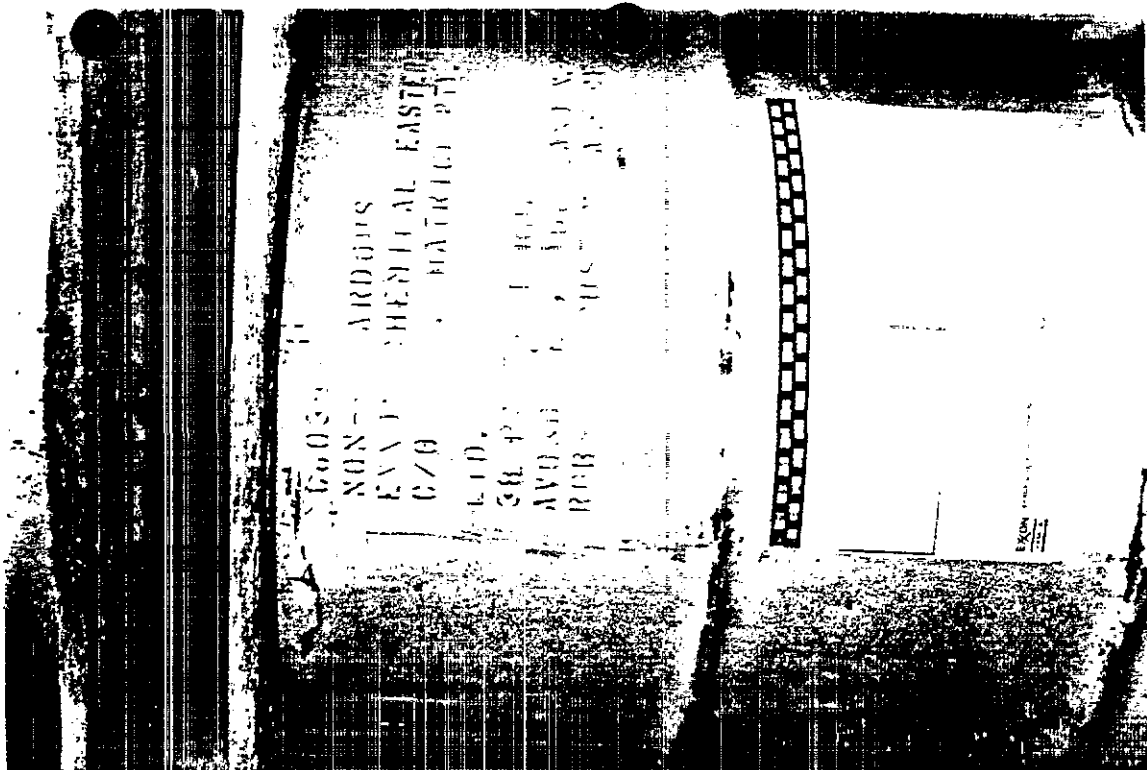
SITE NAME: Robin Road Drum TDD# T06-9406-006
 PHOTO# 204 PHOTOGRAPHER WITNESS Gomez/Reddy
 DATE 06/13/94 TIME: 0850 DIRECTION North
 TAT member conducting air monitoring operations inside main warehouse. This particular container displayed a high organic content based on the OVA.

SITE NAME: Robin Road Drum TDD# T06-9406-006
 PHOTO# 205 PHOTOGRAPHER WITNESS Gomez/Reddy
 DATE 06/13/94 TIME 0851 DIRECTION North
 Closeup view of a drum labeled isopropanol, flammable liquid



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SITE NAME: Robin Road Drum

TDD#: T06-9406-006

PHOTO#: 206 PHOTOGRAPHER/WITNESS: Gomez/Reddy

DATE: 06/13/94 TIME: 0852 DIRECTION: North

View of drum labeled RMS-0967, an Exxon Chemical Corporation product. This material was labeled non hazardous.

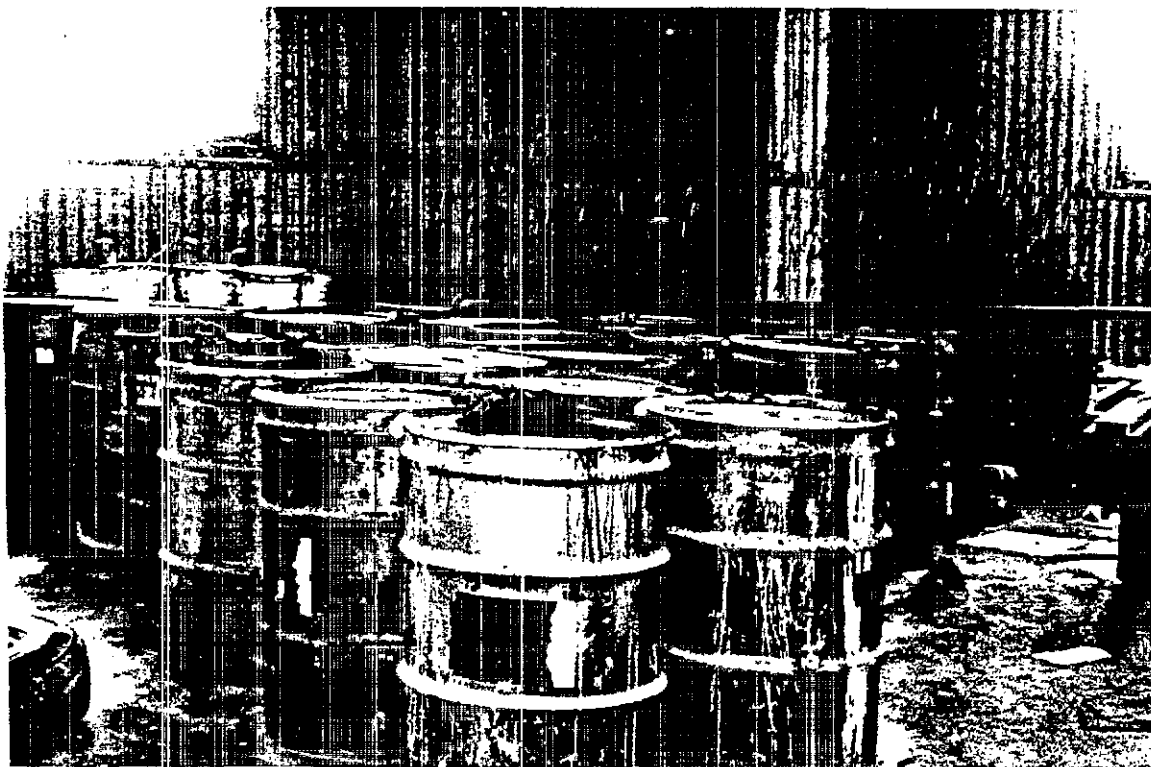
SITE NAME: Robin Road Drum

TDD#: T06-9406-006

PHOTO#: 207 PHOTOGRAPHER/WITNESS: Gomez/Reddy

DATE: 06/13/94 TIME: 0852 DIRECTION: East

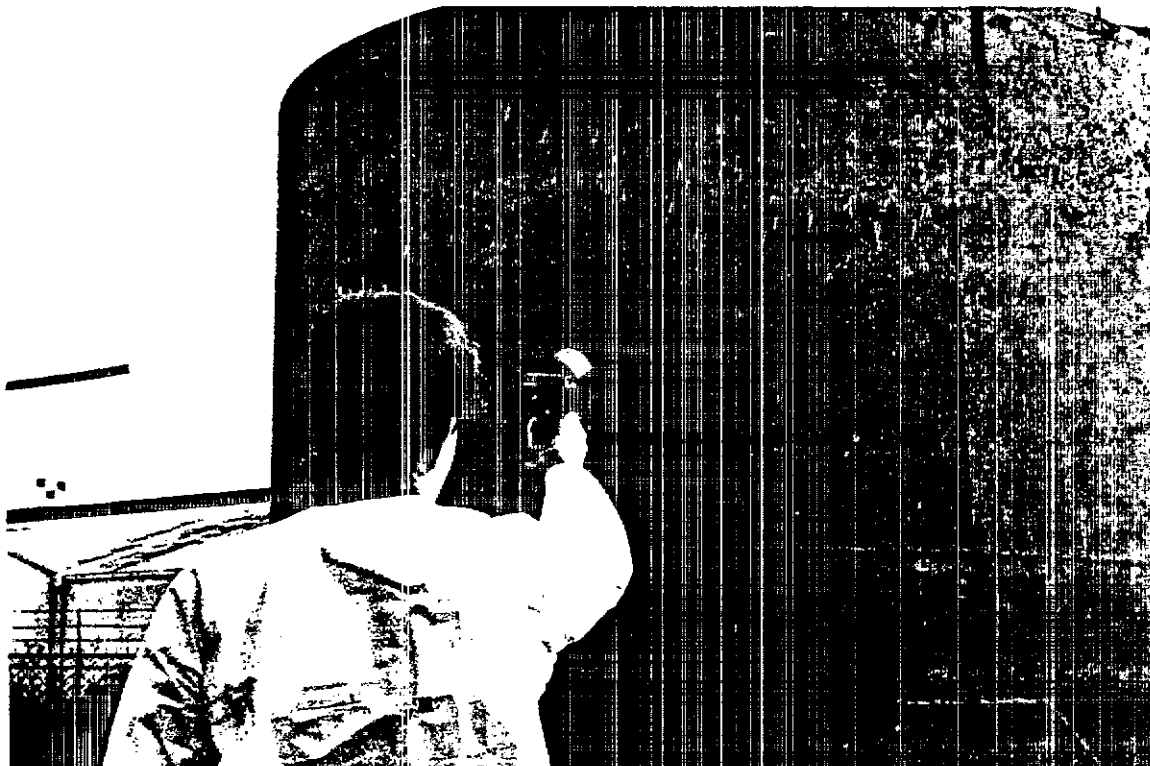
Open top 65-gallon drums with apparently similar contents.

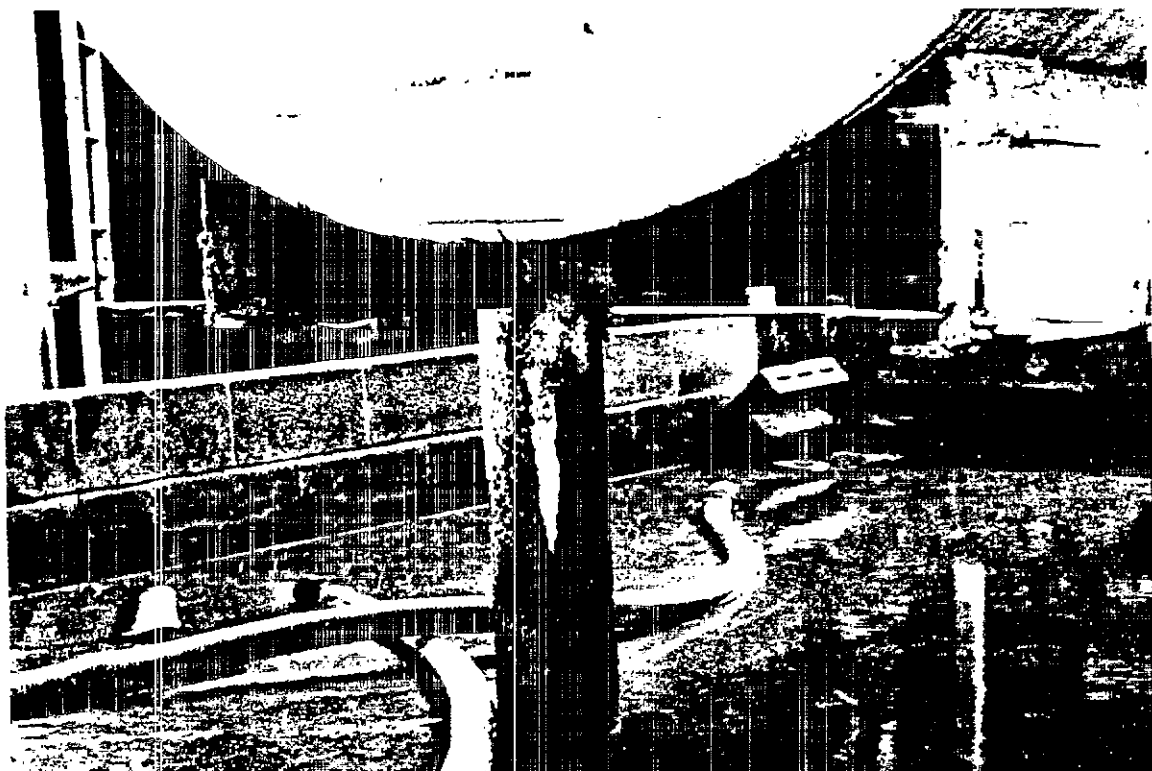




SITE NAME: Robin Road Drum TDD#: TC6-9406-006
 PHOTO# 210 PHOTOGRAPHER/WITNESS: Gomez/Reddy
 DATE: 06/13/94 TIME: 1010 DIRECTION: North
 TAT member using pyrometer to assess tank contents.

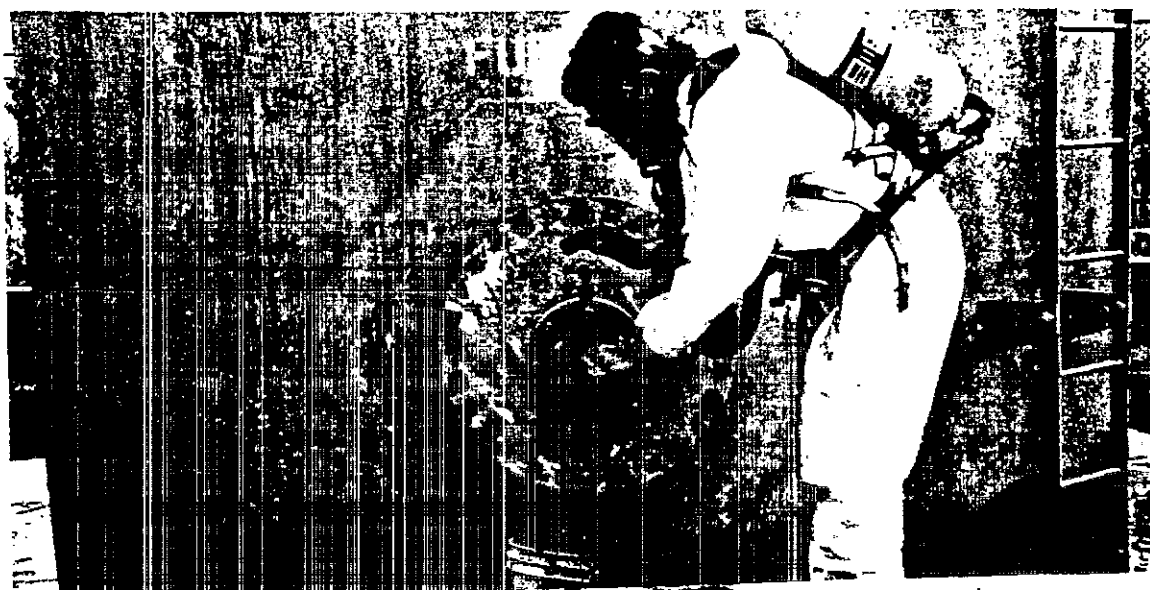
SITE NAME: Robin Road Drum TDD#: TC6-9406-006
 PHOTO# 211 PHOTOGRAPHER/WITNESS: Gomez/Reddy
 DATE: 06/13/94 TIME: 1015 DIRECTION: NE
 TAT member using pyrometer to assess tank contents.





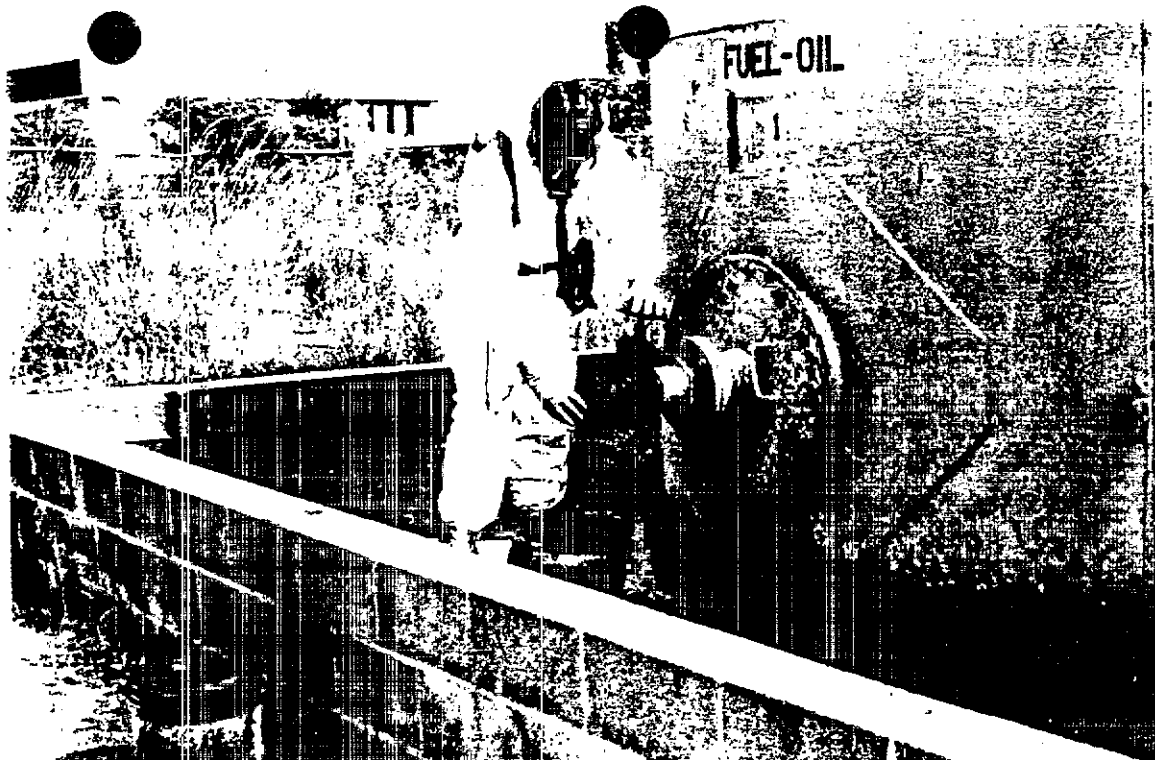
SITE NAME Robin Road Drum TDD# T06 9406 006
 PHOTO# 212 PHOTOGRAPHER/WITNESS Gomez/Reddy
 DATE 06/13/94 TIME 1020 DIRECTION NE
 The secondary containment of AST # 7 contained contaminated rain water

SITE NAME Robin Road Drum TDD# T06-9406-006
 PHOTO# 213 PHOTOGRAPHER/WITNESS Gomez/Reddy
 DATE 06/16/94 TIME 0928 DIRECTION North
 TAT member sampling AST# 3.



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SITE NAME: Robin Road Drum

TDD#: T06 9406 006

PHOTO#: 214 PHOTOGRAPHER WITNESS: Gomez/Reddy

DATE: 06/16/94 TIME: 0930 DIRECTION: NW

TAT member collecting a sample from AST# 1

SITE NAME: Robin Road Drum

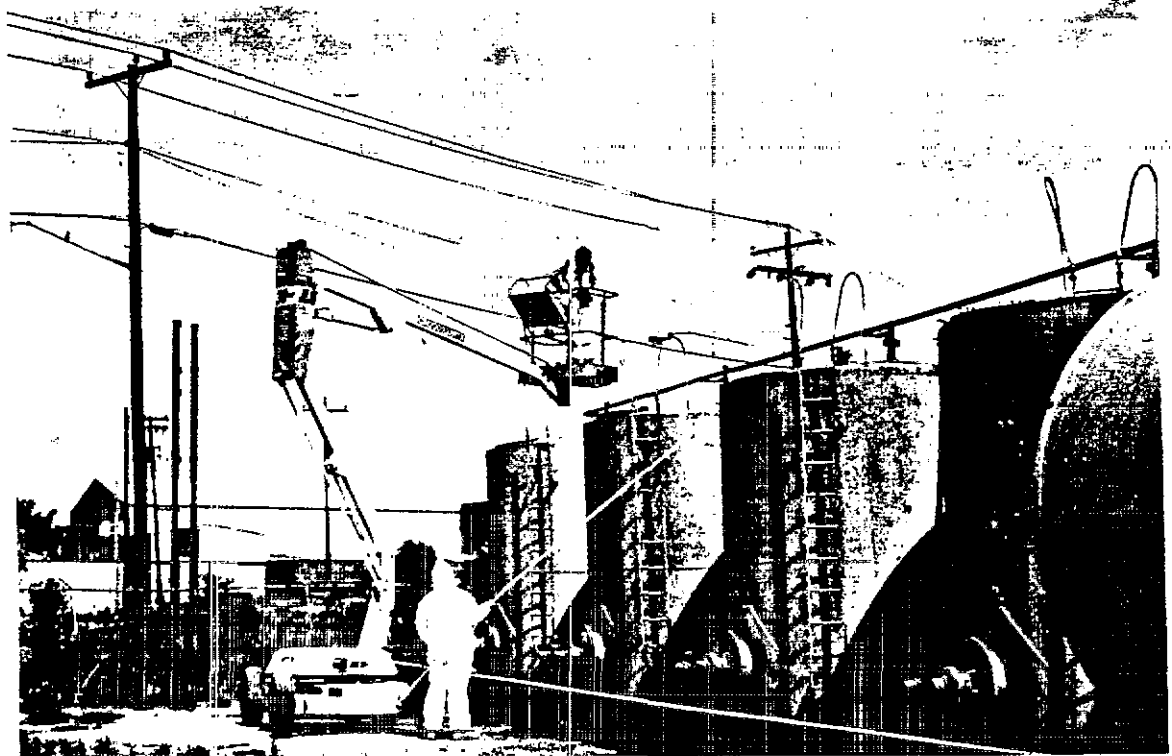
TDD#: T06 9406 006

PHOTO#: 215 PHOTOGRAPHER WITNESS: Gomez/Reddy

DATE: 06/16/94 TIME: 1025 DIRECTION: North

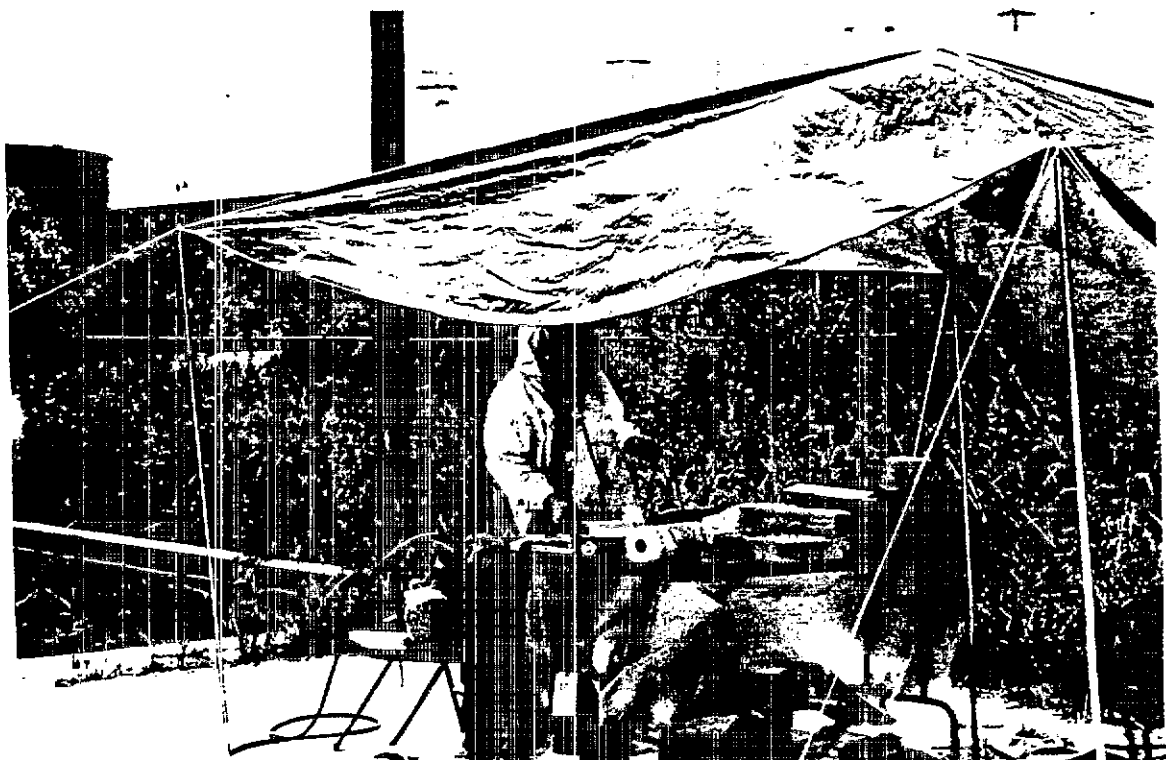
TAT members collecting samples from the containers in the facility's main warehouse.





SITE NAME Robin Road Drum TDD#: T06-9406-006
 PHOTO# 216 PHOTOGRAPHER WITNESS Gomez Reddy
 DATE 05/16/94 TIME 1030 DIRECTION NW
 TAT members sampling the site's ASTs utilizing a manlift.

SITE NAME Robin Road Drum TDD#: T06-9406-006
 PHOTO# 217 PHOTOGRAPHER WITNESS Gomez Reddy
 DATE 06/16/94 TIME 1130 DIRECTION South
 TAT member during field screening operations



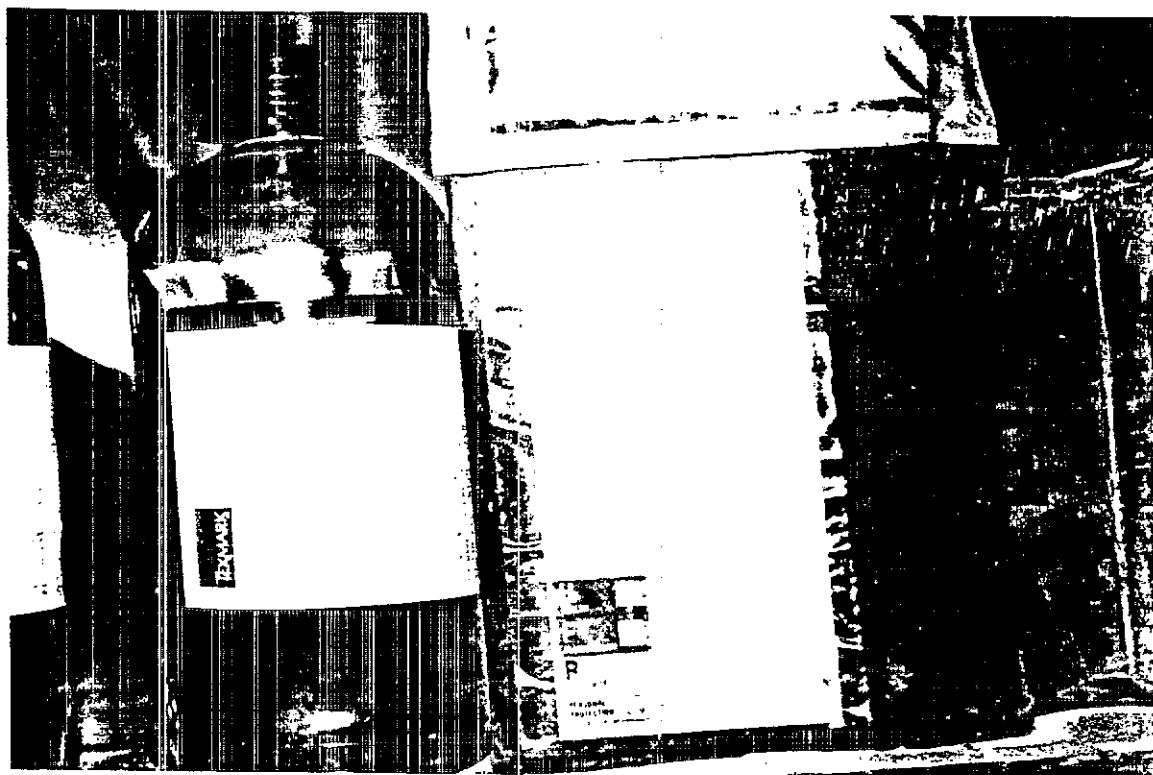
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SITE NAME Robin Road Drum TDD#: T06 9406-006
 PHOTO# 213 PHOTOGRAPHER WITNESS: Gomez/Reddy
 DATE: 06/17/94 TIME: 1330 DIRECTION: South
 View of some of the labpacks encountered at the site. Most of these labpacks were sealed and hence not sampled.

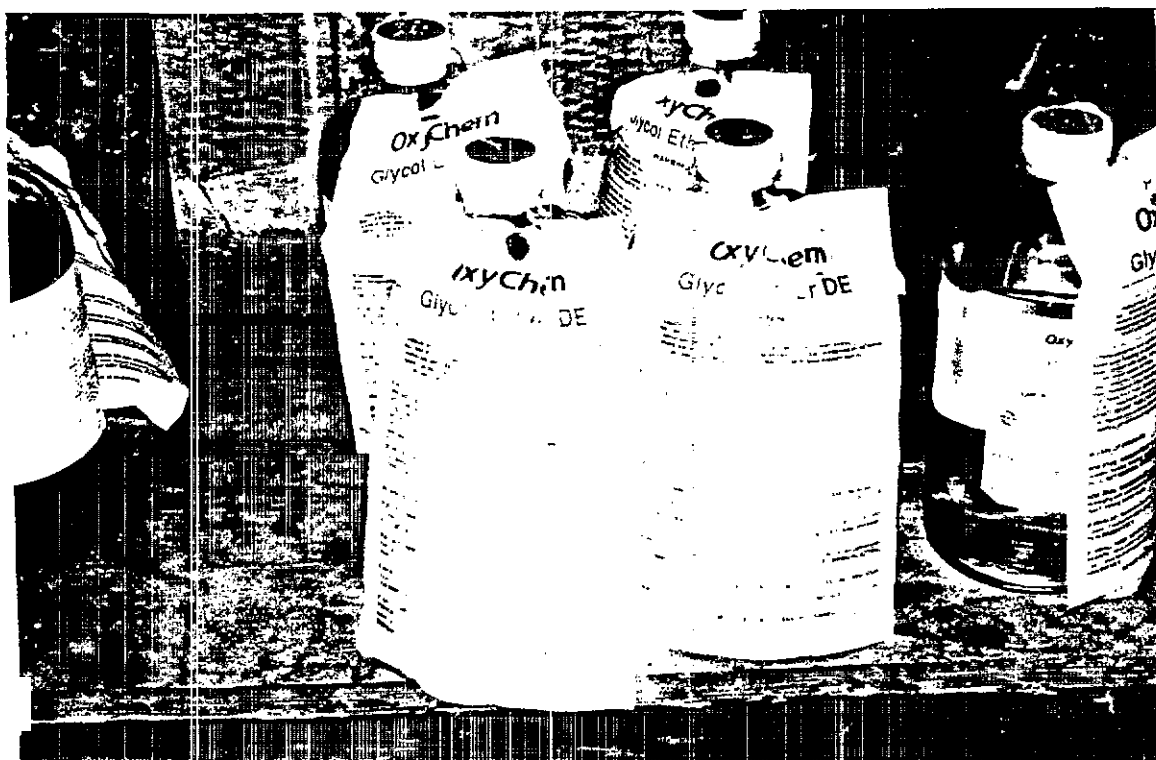
SITE NAME: Robin Road Drum TDD#: T06-9406-006
 PHOTO#: 219 PHOTOGRAPHER WITNESS: Gomez/Reddy
 DATE: 06/17/94 TIME: 1330 DIRECTION: South
 Closeup view of labpack labeled N Hexyamine, flammable liquid, corrosive N.O.S.





SITE NAME Robin Road Drum TDD#: T06-9406-006
 PHOTO#: 220 PHOTOGRAPHER: WITNESS Gomez/Reddy
 DATE: 06/17/94 TIME: 1330 DIRECTION: South
 View of some of the labpacks encountered at the site. These ones were labeled Glycol Ether

SITE NAME Robin Road Drum TDD#: T06-9406-006
 PHOTO#: 221 PHOTOGRAPHER: WITNESS Gomez/Reddy
 DATE: 06/17/94 TIME: 1330 DIRECTION: South
 Closeup view of Glycol Ether DE labpacks Manufacturer: Oxychem.



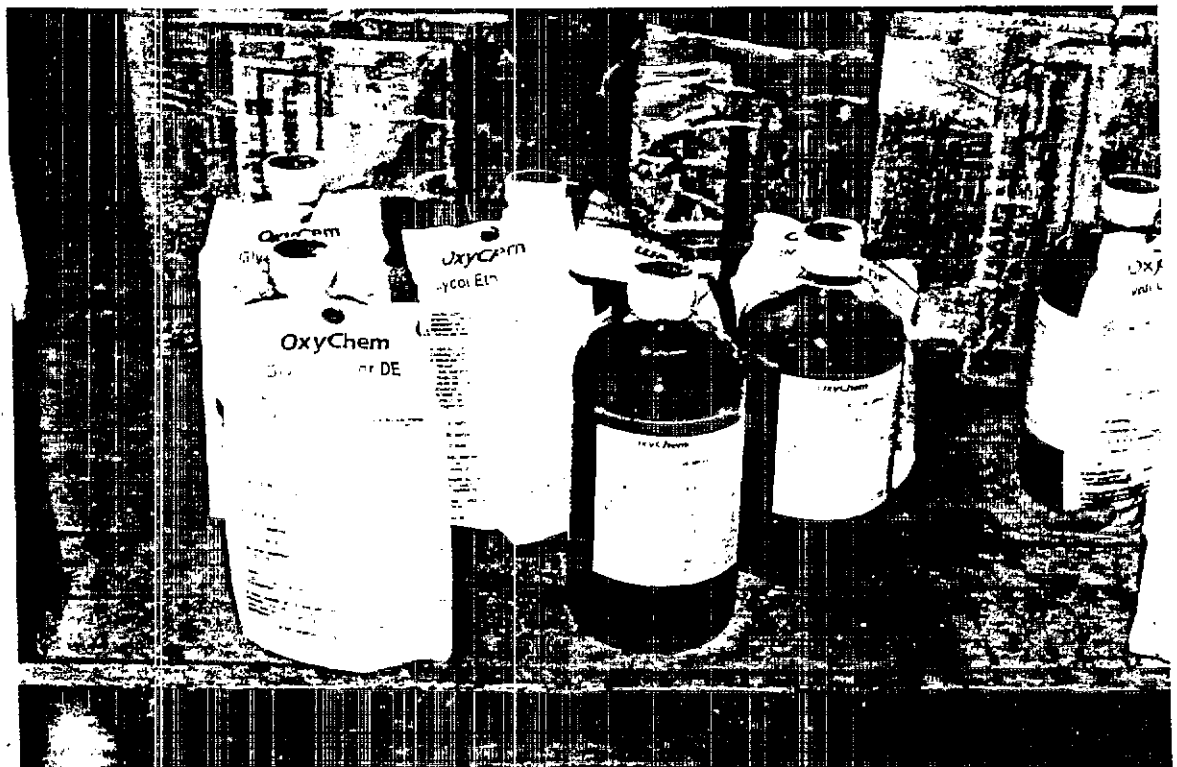
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SITE NAME: Robin Road Drum TDD#: T06 9406-006
 PHOTO#: 222 PHOTOGRAPHER/WITNESS: Gomez,Reddy
 DATE: 06/17/94 TIME: 1330 DIRECTION: South
 Closeup view of Glycol Ether DE labpacks.

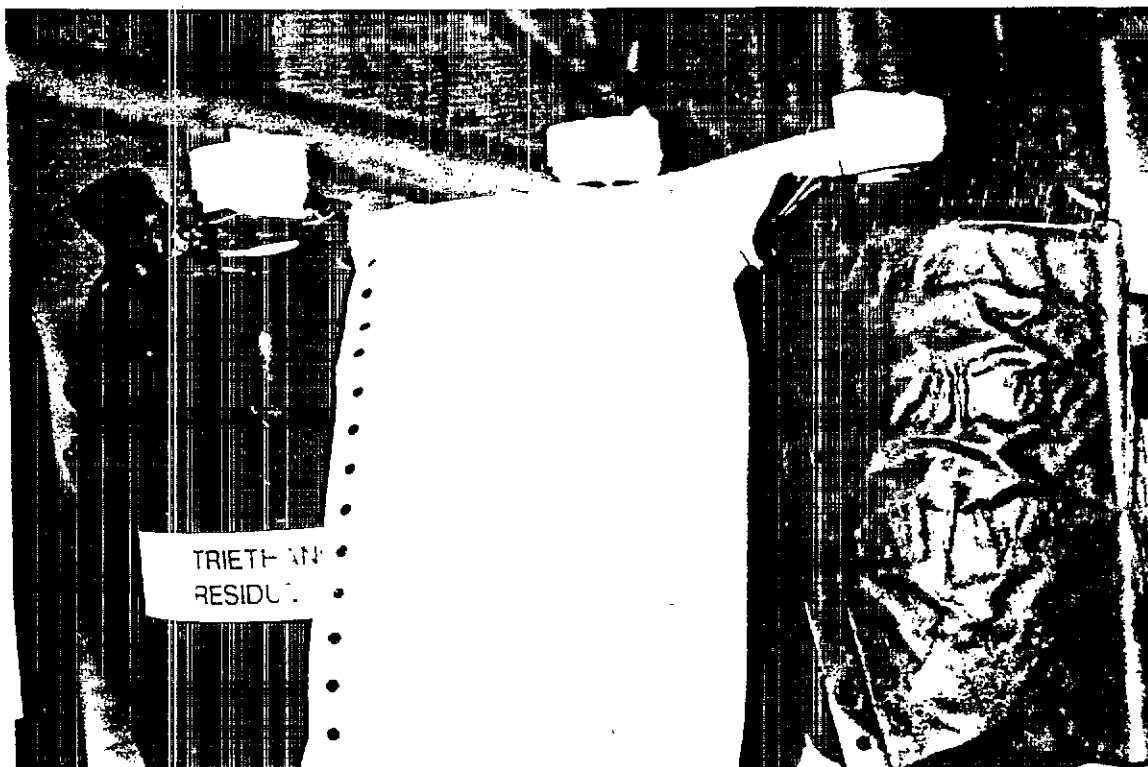
SITE NAME: Robin Road Drum TDD#: T06 9406-006
 PHOTO#: 223 PHOTOGRAPHER/WITNESS: Gomez,Reddy
 DATE: 06/17/94 TIME: 1330 DIRECTION: South
 Closeup view of Glycol Ether DE labpacks

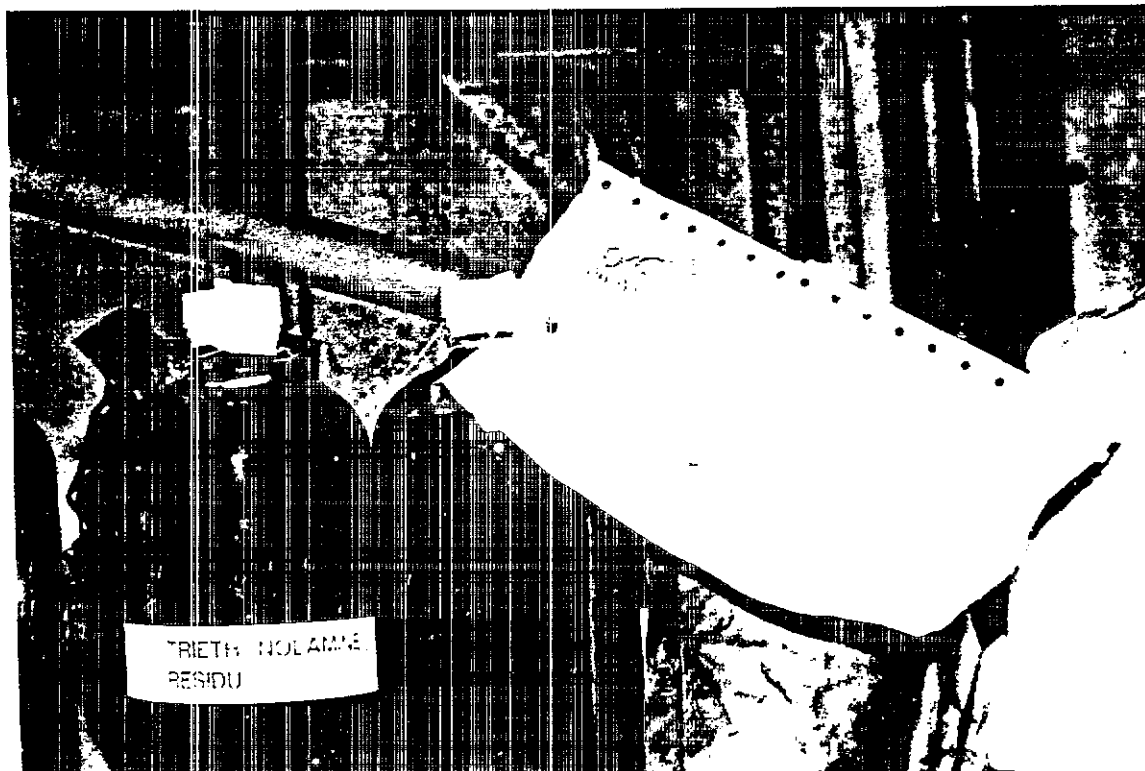




SITE NAME Robin Road Drum TDD#: T06-9406-006
 PHOTO# 302 PHOTOGRAPHER/WITNESS Gomez,Reddy
 DATE: 06-17-94 TIME: 1335 DIRECTION: South
 Closeup view of Triethanolamine Residue (acpack).

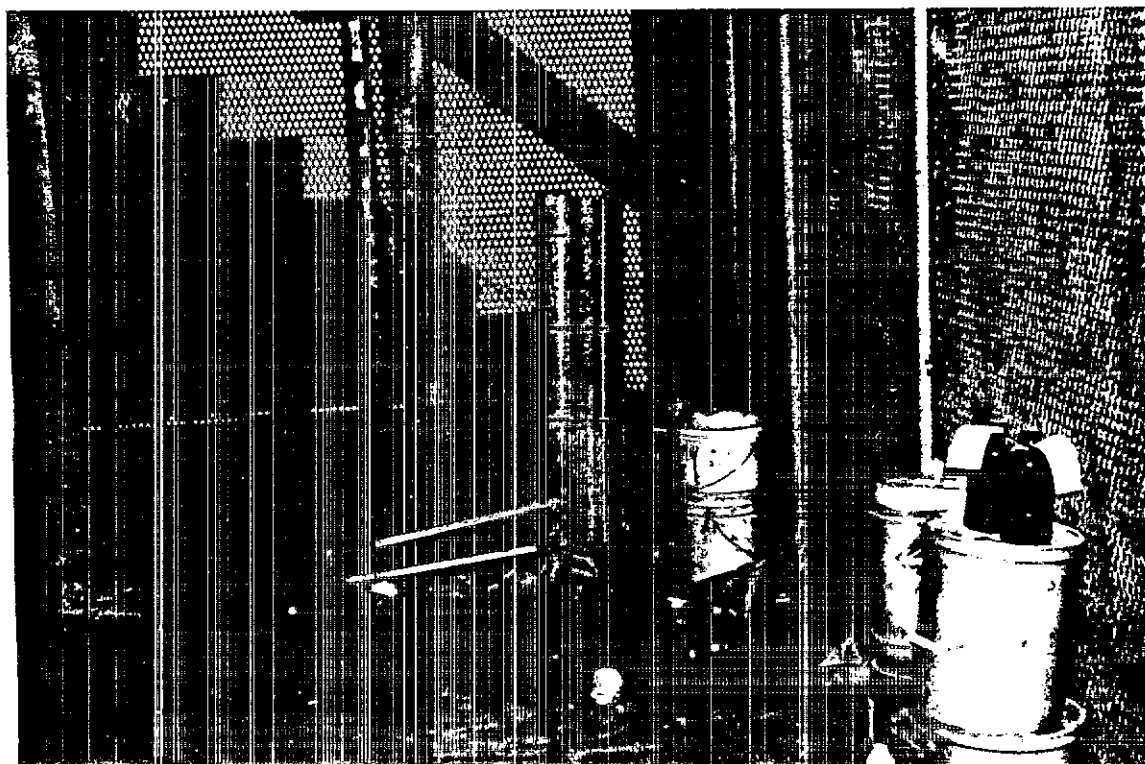
SITE NAME Robin Road Drum TDD#: T06-9406-006
 PHOTO# 303 PHOTOGRAPHER/WITNESS Gomez,Reddy
 DATE: 06-17-94 TIME: 1335 DIRECTION: South
 Closeup view of Triethanolamine Residue (acpack).





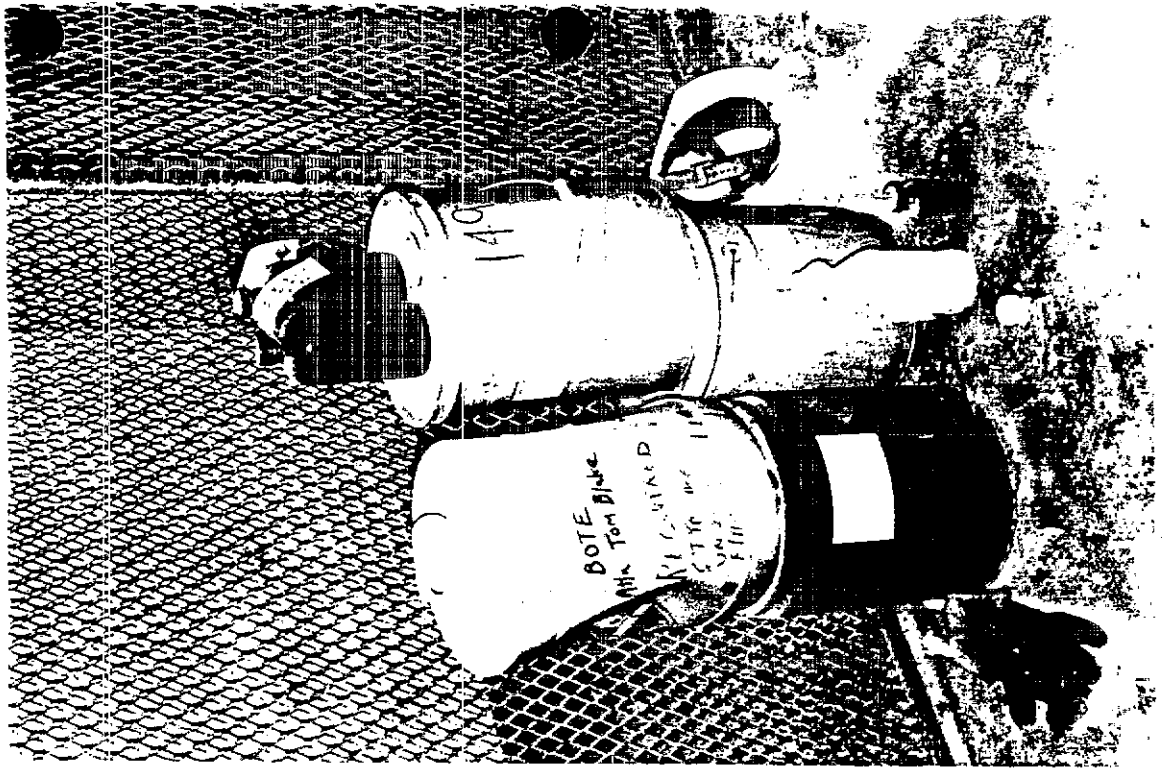
SITE NAME: Robin Road Drum TDD#: T06-9406-006
 PHOTO#: 304 PHOTOGRAPHER WITNESS Gomez/Reddy
 DATE 06/17/94 TIME 1335 DIRECTION South
 Closeup view of Triethanolamine Residue labpacks. Generator: Oxy Petrochemicals Inc

SITE NAME Robin Road Drum TDD#: T06-9406-006
 PHOTO# 305 PHOTOGRAPHER WITNESS Gomez/Reddy
 DATE 06/17/94 TIME 1345 DIRECTION West
 View of fenced area inside the facility's main warehouse. Most of the labpacks were stored inside this area



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SITE NAME: Robin Road Drum
 PHOTO#: 306 PHOTOGRAPHER WITNESS: Gomez/Reddy
 DATE: 06/17/94 TIME: 1345 DIRECTION: North
 5-gallon buckets stored inside fenced area.

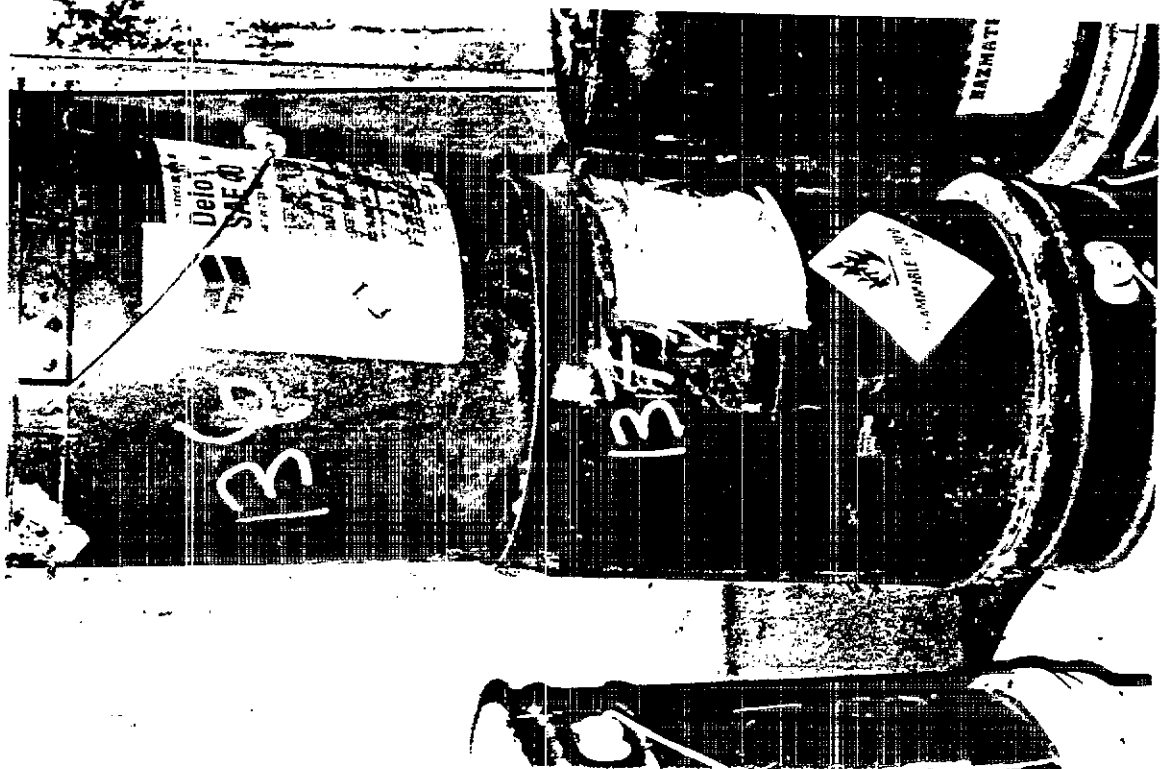
SITE NAME: Robin Road Drum
 PHOTO#: 307 PHOTOGRAPHER WITNESS: Gomez/Reddy
 DATE: 06/17/94 TIME: 1345 DIRECTION: North
 5-gallon container labeled flammable liquid N.O.S., UN 1993, Generator: DOW U.S.A





SITE NAME: Robin Road Drum TDD# T06-9406-006
 PHOTO#: 308 PHOTOGRAPHER/WITNESS: Gomez/Reddy
 DATE: 06/17/94 TIME: 1345 DIRECTION: NW
 5-gallon container labeled Ethyl OH, flammable liquid.

SITE NAME: Robin Road Drum TDD# T06-9406-006
 PHOTO#: 309 PHOTOGRAPHER/WITNESS: Gomez/Reddy
 DATE: 06/17/94 TIME: 1345 DIRECTION: South
 Several 5-gallon containers were stored within the fenced area inside the facility's main warehouse.



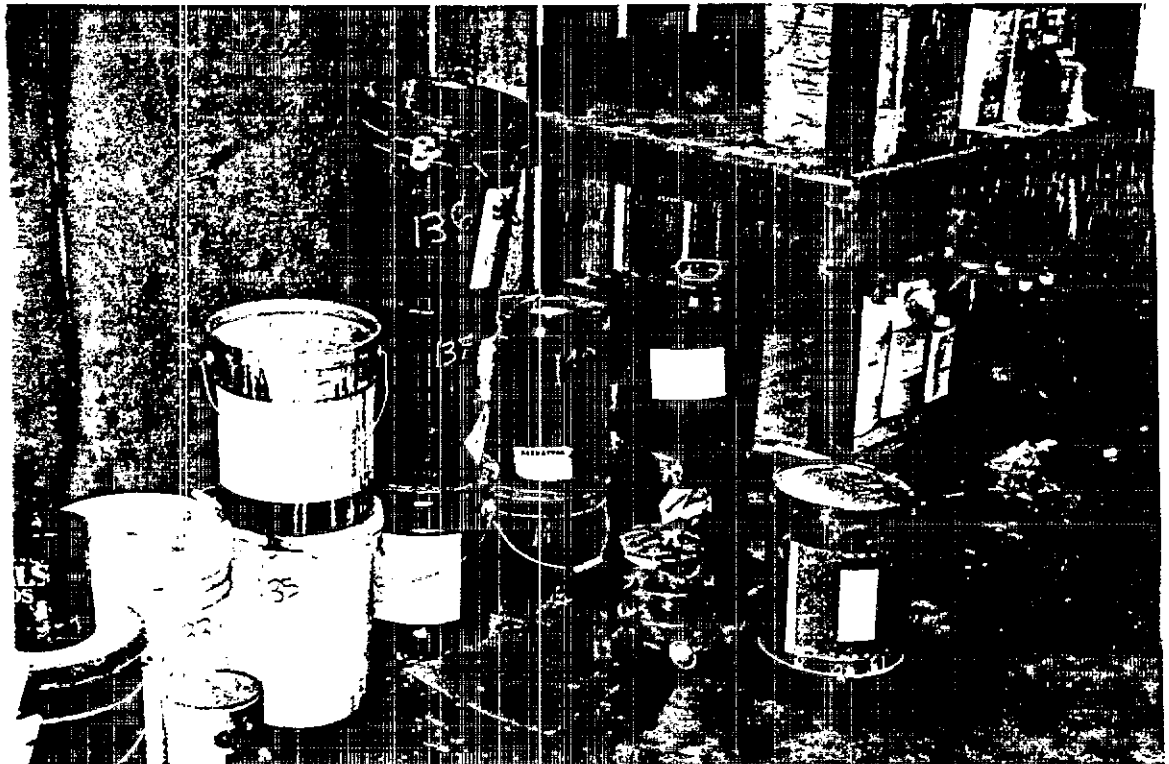
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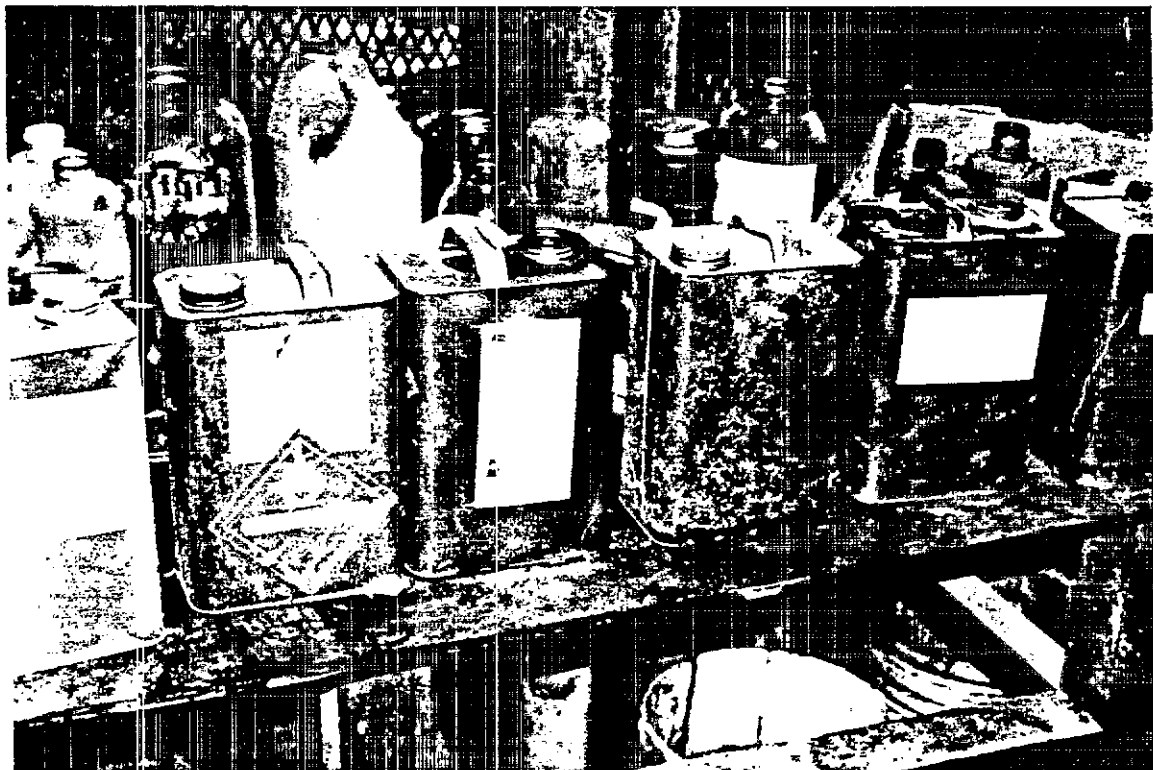
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SITE NAME: Robin Road Drum TDD#: T06 9406 006
 PHOTO# 310 PHOTOGRAPHER WITNESS: Gomez/Reddy
 DATE: 06/17/94 TIME: 1345 DIRECTION: South
 A number of 5-gallon containers with unknown contents were located throughout the site

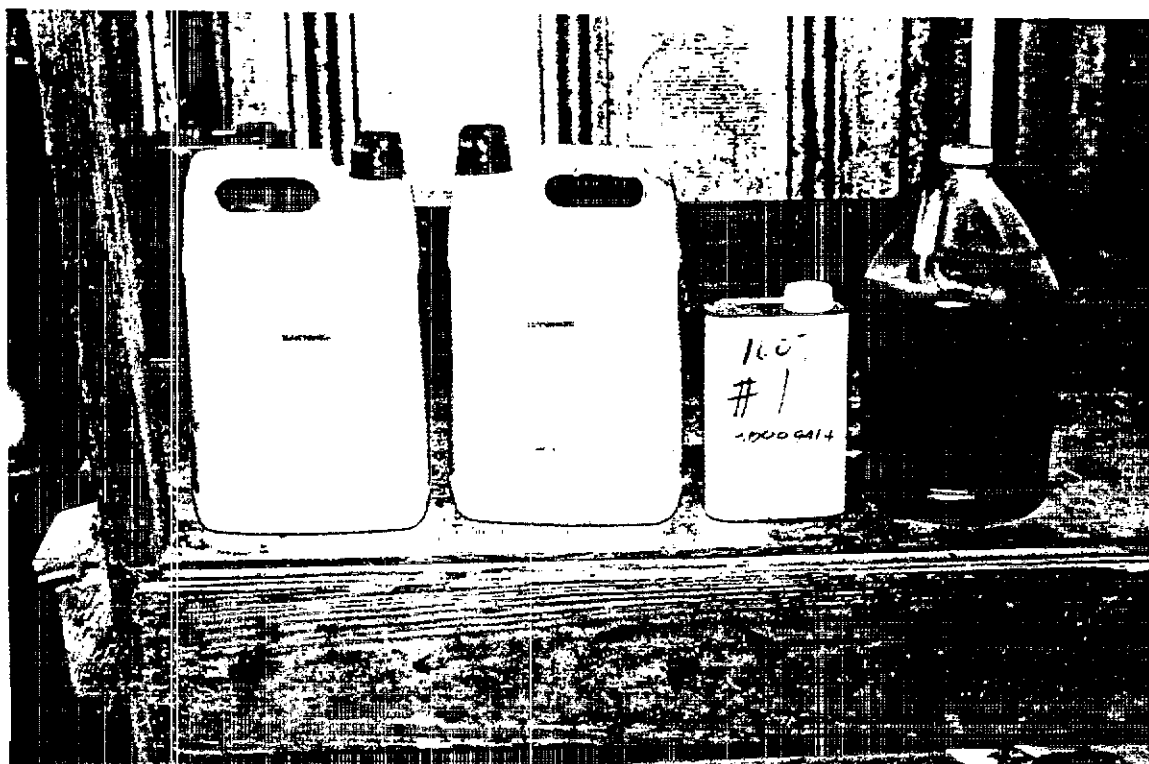
SITE NAME: Robin Road Drum TDD#: T06 9406 006
 PHOTO# 311 PHOTOGRAPHER WITNESS: Gomez/Reddy
 DATE: 06/17/94 TIME: 1345 DIRECTION: SW
 5-gallon and 1 gallon containers inside fenced area.





SITE NAME Robin Road Drum TDD# T06 9406-006
 PHOTO# 316 PHOTOGRAPHER/WITNESS Gomez/Reddy
 DATE 06/17/94 TIME 1345 DIRECTION East
 1-gallon metal cans with flammable contents

SITE NAME Robin Road Drum TDD# T06-9406-006
 PHOTO# 317 PHOTOGRAPHER/WITNESS Gomez/Reddy
 DATE 06/17/94 TIME 1345 DIRECTION South
 Containers with antifreeze and other unknown contents.



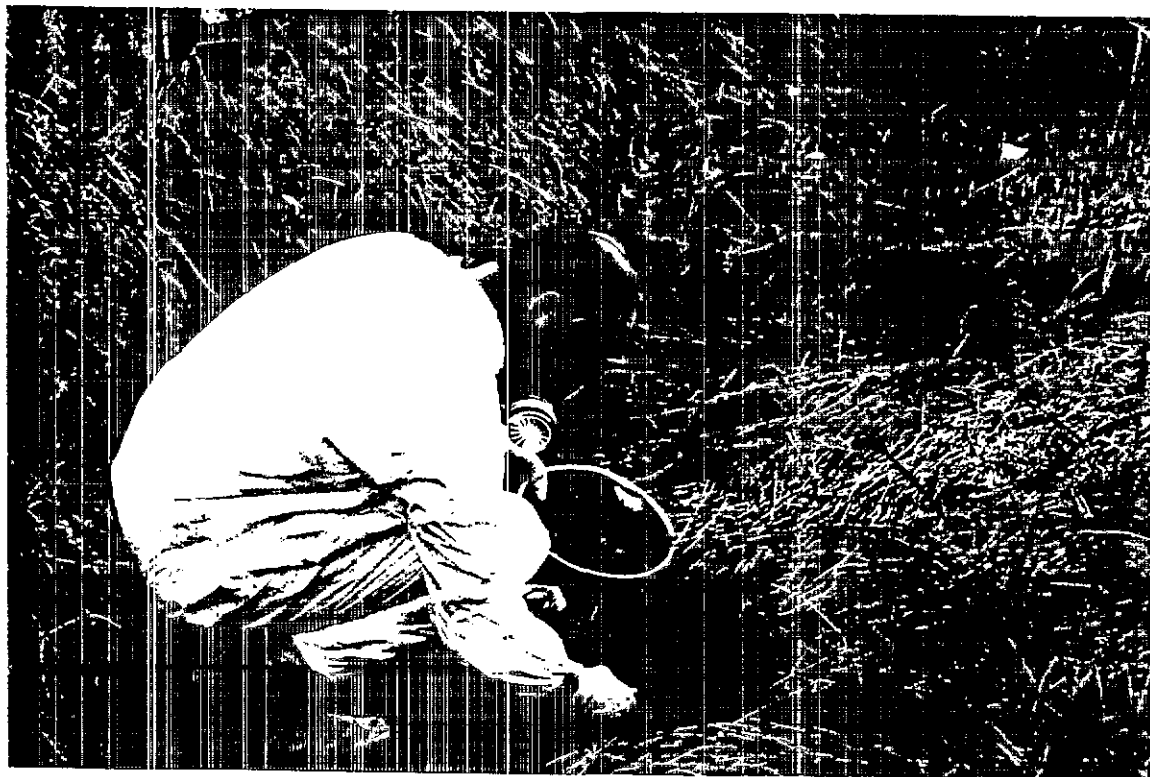
000045

000045



SITE NAME Robin Road Drum TDD#: T06 9406-006
 PHOTO# 401 PHOTOGRAPHER/WITNESS: Gomez/Cornelius
 DATE 07/13/94 TIME: 0920 DIRECTION East
 TAT member collecting composite soil samples

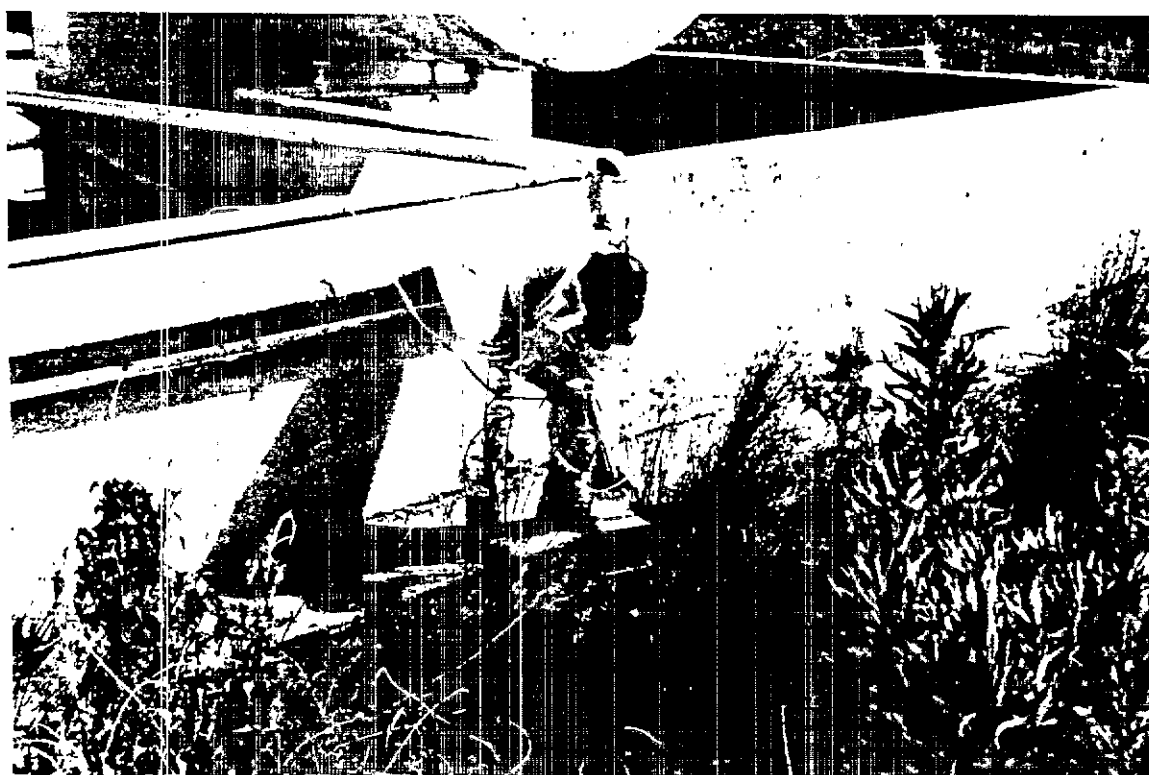
SITE NAME Robin Road Drum TDD#: T06 9406-006
 PHOTO# 402 PHOTOGRAPHER/WITNESS: Gomez/Cornelius
 DATE: 07/13/94 TIME: 0922 DIRECTION East
 TAT member collecting composite soil samples.





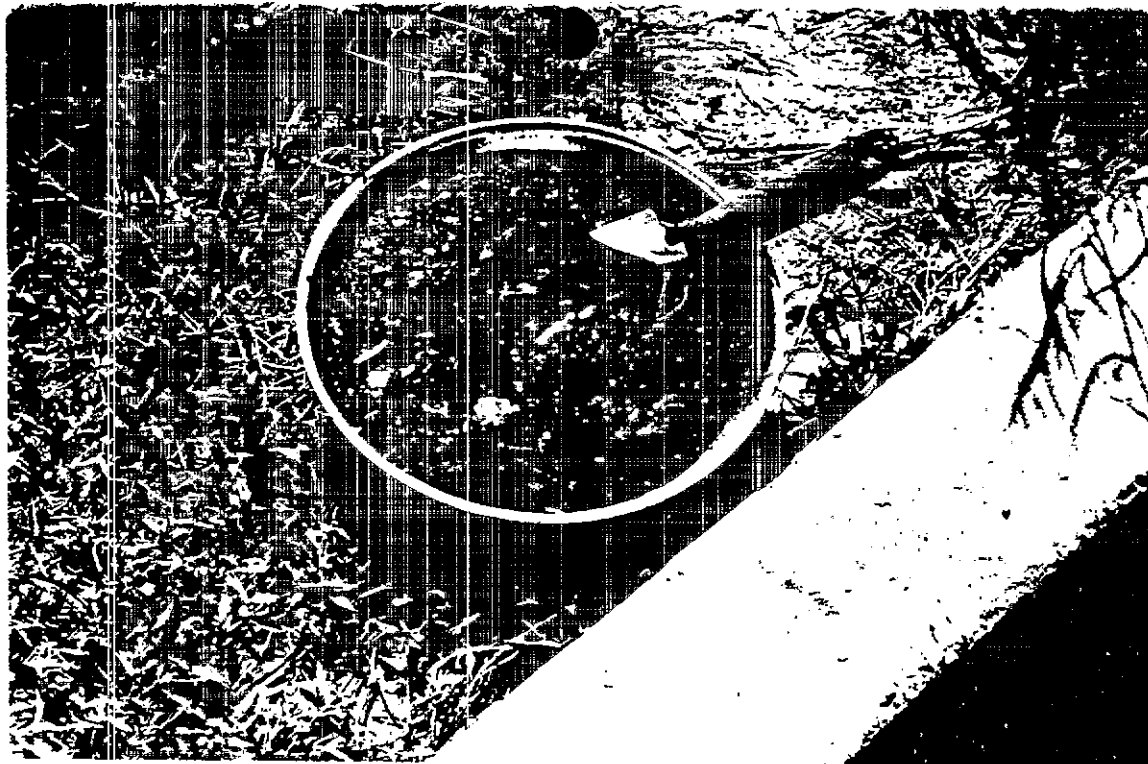
SITE NAME Robin Road Drum TDD#: T06 9406-006
 PHOTO#: 403 PHOTOGRAPHER WITNESS Gomez/Cornelius
 DATE: 07/13/94 TIME 1020 DIRECTION NE
 TAT member sampling pond sediments.

SITE NAME Robin Road Drum TDD#: T06 9406-006
 PHOTO#: 404 PHOTOGRAPHER WITNESS: Gomez/Cornelius
 DATE: 07/13/94 TIME 1020 DIRECTION NE
 TAT member sampling pond sediments



000047

000047



SITE NAME Robin Road Drum TOD#: T56 9406 006
 PHOTO#: 405 PHOTOGRAPHER: WITNESS: Gomez/Cornelius
 DATE 07-13/94 TIME: 1025 DIRECTION SE
 Pond sediment sample.

SITE NAME: Robin Road Drum TOD#: TC6 9406 GC
 PHOTO#: 406 PHOTOGRAPHER: WITNESS: Gomez/Cornelius
 DATE 07-13/94 TIME: 1346 DIRECTION: North
 TAT member collecting drum samples.





SITE NAME Robin Road Drum

TDD#: T06-9406-006

PHOTO#: 407 PHOTOGRAPHER WITNESS Gomez/Cornelius

DATE 07/13/94 TIME 1350 DIRECTION NE

TAT member collecting a sample from a 5-gallon container

SITE NAME Robin Road Drum

TDD#: T06-9406-006

PHOTO#: 408 PHOTOGRAPHER WITNESS: Gomez/Cornelius

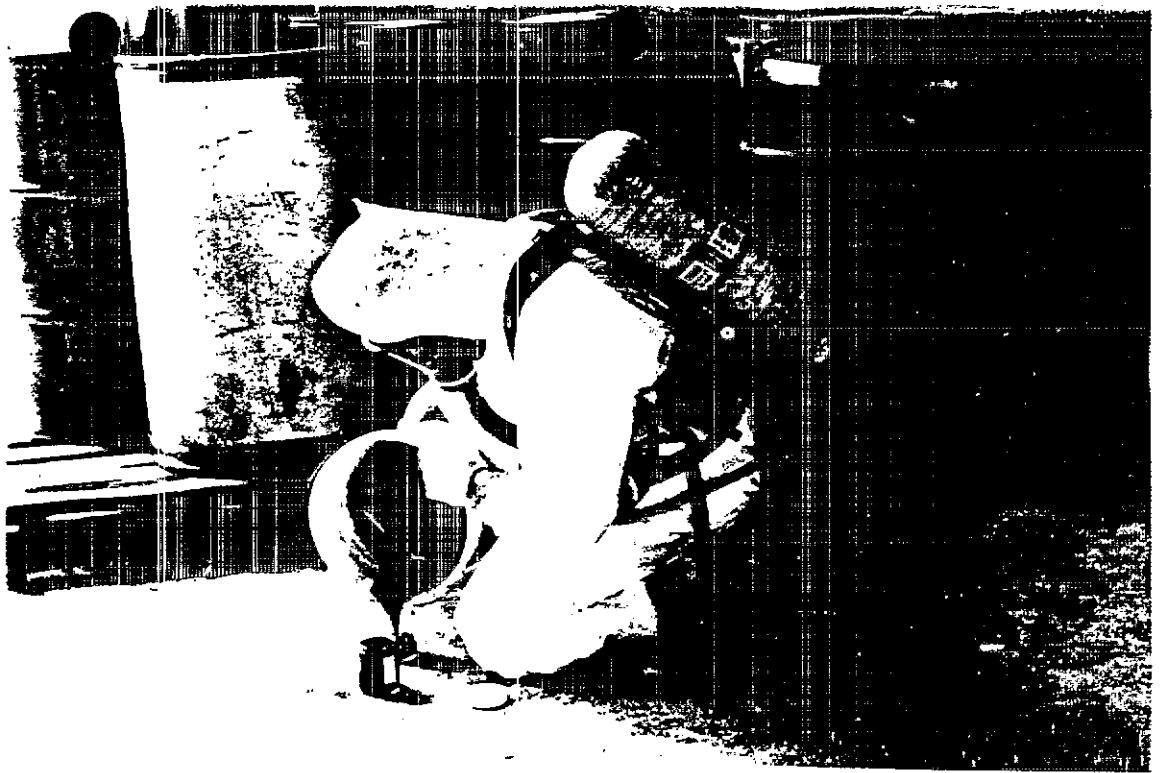
DATE 07/13/94 TIME 1350 DIRECTION NE

TAT members collecting a sample from a 5 gallon container.



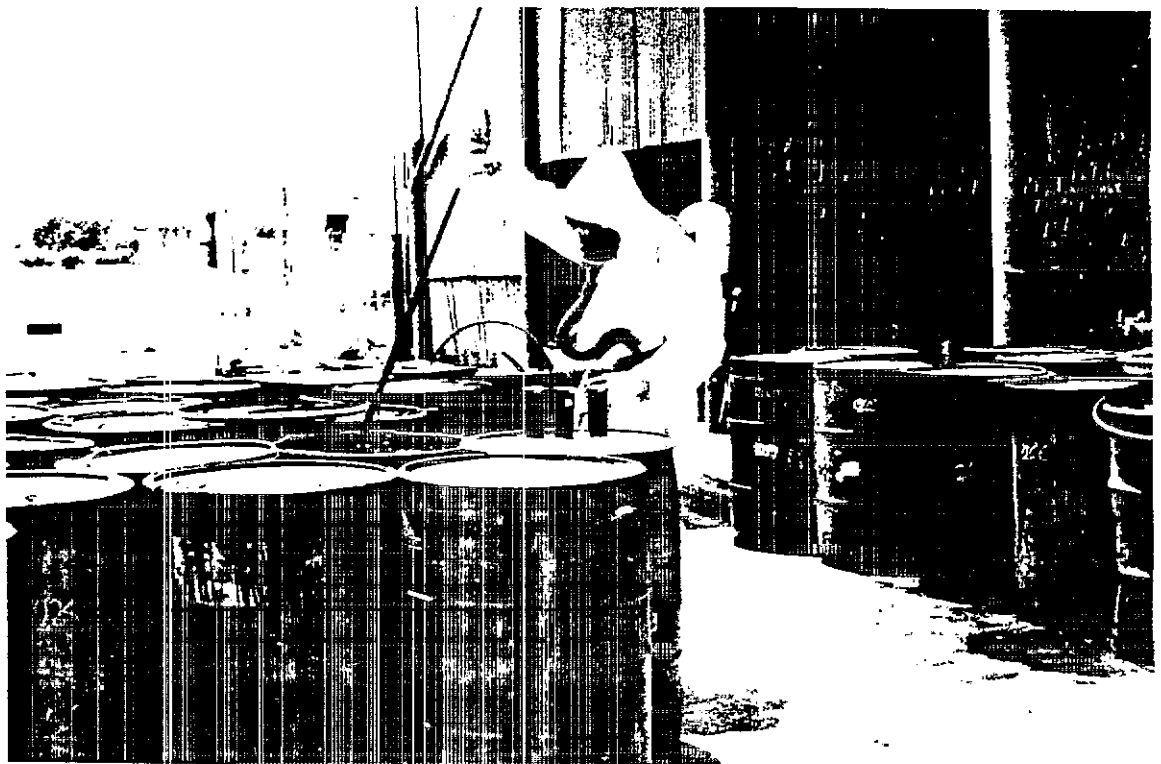
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SITE NAME Robin Road Drum TDD#: T06 9406-006
 PHOTO#: 403 PHOTOGRAPHER WITNESS: Gomez/Cornelius
 DATE: 07/13/94 TIME: 1352 DIRECTION: West
 TAT member collecting a sample from a 55-gallon container.

SITE NAME Robin Road Drum TDD#: T06 9406-006
 PHOTO#: 410 PHOTOGRAPHER WITNESS: Gomez/Cornelius
 DATE: 07/13/94 TIME: 1354 DIRECTION: West
 TAT member collecting a sample from a 55-gallon container.





SITE NAME Robin Road Drums TDD# T06 9406-006
 PHOTO#: 411 PHOTOGRAPHER/WITNESS Gomez/Cornelius
 DATE 07/13/94 TIME 1435 DIRECTION West
 TAT member collecting a sample from a 55-gallon container.

SITE NAME Robin Road Drums TDD# T06-9406-006
 PHOTO#: 412 PHOTOGRAPHER WITNESS Gomez/Cornelius
 DATE 07/13/94 TIME 1435 DIRECTION NW
 TAT member collecting a sample



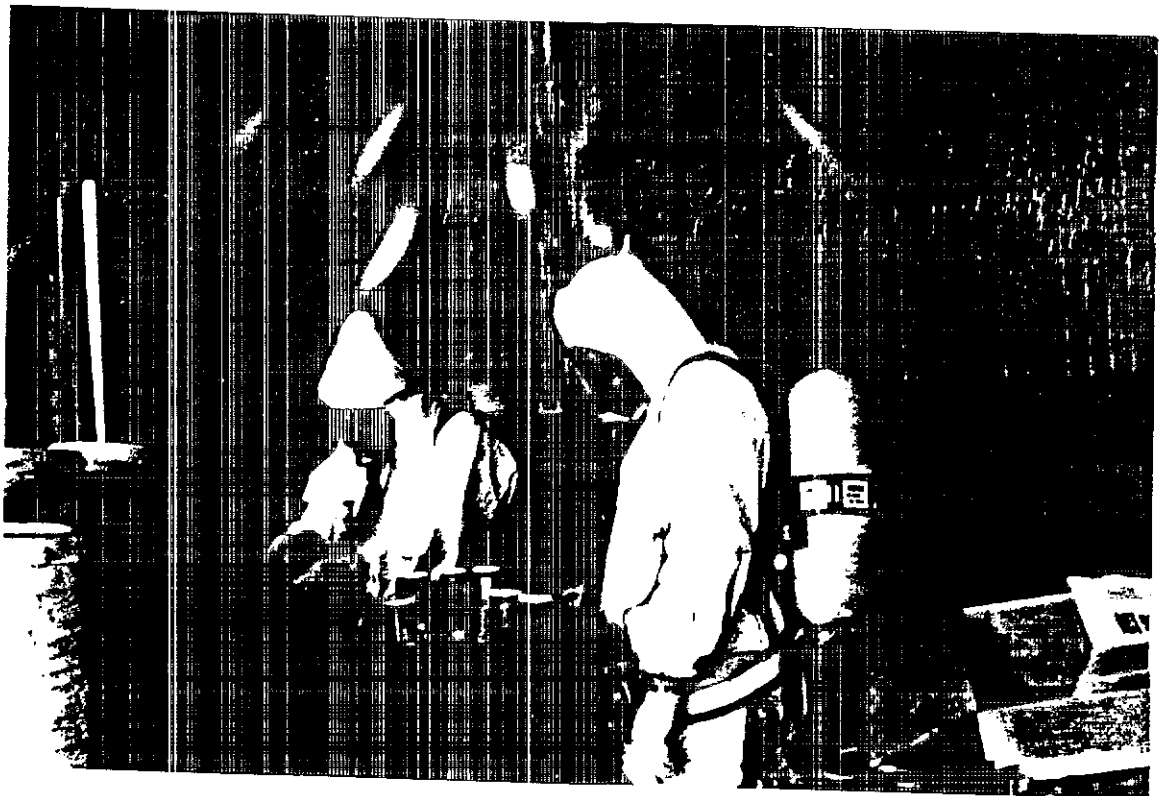
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150000



SITE NAME: Robin Road Drum TDD#: T06 9406 006
 PHOTO#: 413 PHOTOGRAPHER/WITNESS: Gomez/Cornelius
 DATE: 07/13/94 TIME: 1442 DIRECTION: West
 TAT members collecting drum samples.

SITE NAME: Robin Road Drum TDD#: T06 9406 006
 PHOTO#: 414 PHOTOGRAPHER/WITNESS: Gomez/Cornelius
 DATE: 07/13/94 TIME: 1442 DIRECTION: West
 TAT members collecting drum samples from area adjacent to the facility's loading dock.



ATTACHMENT NOT INCLUDED

ATTACHMENT - E

UNUSED PHOTOGRAPHS (EPA File)

ATTACHMENT NOT INCLUDED

ATTACHMENT - F
NEGATIVES (TAT File)

ATTACHMENT NOT INCLUDED

ATTACHMENT - G

QUALITY ASSURANCE SAMPLING PLAN (QASP)

(6x9) dsaj(55—ubiqwnio))

ATTACHMENT F

NEGATIVES
(TAT FILE)

ROBIN ROAD DRUM SITE
HOUSTON, HARRIS COUNTY, TEXAS

TDD# T06-9406-006
CASE# FY94-3530

Sampling QA/QC Work Plan

ROBIN ROAD DRUM

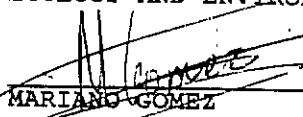
Prepared by
ECOLOGY AND ENVIRONMENT, INC.

EPA Project No.: T06-9406-006
Contractor Work Order No.: ZT2061 ETX1510SAA
EPA Contract No.: 68-WO-0037

Approvals

ECOLOGY AND ENVIRONMENT, INC.

EPA


MARIANO GOMEZ
Task Leader

7/12/94
Date

WARREN ZEHNER
On-Scene Coordinator

Date

JENNIFFIER SHIELDS
Project Manager

Date

1.0 BACKGROUND

The [suspected] contamination is a result of:

THE MATERIALS WERE LEFT ON SITE AFTER THE SITE WAS ABANDONED IN 1992.

The following information is known about the site:

The site is located in the city of HOUSTON in the county of HARRIS in the state of TEXAS. The nearest residents are located within 3.0 miles of the site, in a north direction.

It is a FUEL BLENDING site on 7 acres which had been operating for an unknown period of time and is now abandoned since 1992.

The types of material(s) handled at this site were:

- organics
- petroleum products
- acids

The volume(s) of contaminated materials to be addressed are:

325 DRUMS RANGING IN SIZE FROM 5 TO 55 GALLONS, APPROXIMATELY 50 LABPACKS RANGING IN SIZE FROM 8 OZ. TO 1 GALLON. 23 ABOVE GROUND STORAGE TANKS (AST) RANGING IN CAPACITY FROM 1,000 TO 16,000 GALLONS. TWO UNDERGROUND STORAGE TANKS (UST) OF UNKNOWN VOLUME HAVE ALSO BEEN LOCATED AT THE SITE. THE CONTENTS OF ALL THE SITE'S VESSELS ARE TO THIS POINT UNKNOWN.

The contaminants of concern are:

THE MAJORITY OF THE CONTAMINANTS OF CONCERN ARE ORGANIC IN NATURE, SPECIFICALLY: XYLENE, BENZENE, TOLUENE AND NAPHTA. MATERIALS WITH CORROSIVE CHARACTERISTICS (pH = 0,1,14) ARE ALSO PRESENT.

The basis of this information may be found in:

THE HISTORICAL INFORMATION RECEIVED TO THIS POINT HAS BEEN PROVIDED BY THE ENVIRONMENTAL PROTECTION AGENCY CRIMINAL INVESTIGATION DIVISION. TAT HAS COLLECTED SAMPLES FROM ALL OF THE SITE'S CONTAINERS WHICH HAVE BEEN FIELD SCREENED AND CATEGORIZED ACCORDING TO HAZARD CLASS.

2.0 DATA USE OBJECTIVES

The objective of this project / sampling event is to determine:

- the presence of contamination
- the magnitude of contamination

For the purpose of:

- Site characterization
- Enforcement Plan

3.0 QUALITY ASSURANCE OBJECTIVES

As identified in Sections 1.0 and 2.0 the objective of this project/event applies to the following parameters:

Parameters	Matrix	Intended Use Of Data	QA Objective
Corrosivity	Drum Liquid	Enforcement Plan	QA2
Corrosivity	Tank Liq/Solid	Enforcement Plan	QA2
Ignitability	Drum Liquid	Enforcement Plan	QA2
Ignitability	Tank Liq/Solid	Enforcement Plan	QA2
PP BNA EXTRACTABLE	Soil	Site Characterizatio	QA2
PP METALS	Soil	Site Characterizatio	QA2
PP PESTICIDE/PCB	Soil	Site Characterizatio	QA2
PP VOLATILES	Soil	Site Characterizatio	QA2
Total Cyanide	Soil	Site Characterizatio	QA2
TOTAL PHENOLS	Soil	Site Characterizatio	QA2
TPH	Soil	Site Characterizatio	QA2

4.0 APPROACH AND SAMPLING METHODOLOGIES

4.1 Sampling Equipment

The following equipment will be utilized to obtain environmental samples from the respective media/matrix:

Parameter/Matrix	Sampling Equipment	Fabrication	Dedicated
Corrosivity in Drum Liquid	Drum Thief	glass	Yes
Parameter/Matrix	Sampling Equipment	Fabrication	Dedicated
Corrosivity in Tank Liq/Solid	Sludge Judge	plastic/polyethylene	Yes
Parameter/Matrix	Sampling Equipment	Fabrication	Dedicated
Ignitability in Drum Liquid	Drum Thief	glass	Yes
Parameter/Matrix	Sampling Equipment	Fabrication	Dedicated
Ignitability in Tank Liq/Solid	Sludge Judge	plastic/polyethylene	Yes

<u>Parameter/Matrix</u>	<u>Sampling Equipment</u>	<u>Fabrication</u>	<u>Dedicated</u>
PP BNA EXTRACTABLE in Soil	Trowel	stainless steel	Yes

<u>Parameter/Matrix</u>	<u>Sampling Equipment</u>	<u>Fabrication</u>	<u>Dedicated</u>
PP METALS in Soil	Scoop	plastic	Yes

<u>Parameter/Matrix</u>	<u>Sampling Equipment</u>	<u>Fabrication</u>	<u>Dedicated</u>
PP PESTICIDE/PCB in Soil	Trowel	stainless steel	Yes

<u>Parameter/Matrix</u>	<u>Sampling Equipment</u>	<u>Fabrication</u>	<u>Dedicated</u>
PP VOLATILES in Soil	Trowel	stainless steel	Yes

<u>Parameter/Matrix</u>	<u>Sampling Equipment</u>	<u>Fabrication</u>	<u>Dedicated</u>
Total Cyanide in Soil	Trowel	stainless steel	Yes

<u>Parameter/Matrix</u>	<u>Sampling Equipment</u>	<u>Fabrication</u>	<u>Dedicated</u>
TOTAL PHENOLS in Soil	Trowel	stainless steel	Yes

<u>Parameter/Matrix</u>	<u>Sampling Equipment</u>	<u>Fabrication</u>	<u>Dedicated</u>
TPH in Soil	Trowel	stainless steel	Yes

4.2 Sampling Design

The sampling design is depicted on the attached Sample Location Map (Figure 4-1) and is based on the following rationale: Sampling operations will be divided into two teams. A two man team, aided by a man-lift, will sample the ASTs. A three man team will sample the drums. One person will document the sites activities in addition to maintain a chain of custody record for the sampling activities.

4.3 Standard Operating Procedures

4.3.1 Sample Documentation

All sample documents will be completed legibly, in ink. Any corrections or revisions will be made by lining through the incorrect entry and by initialling the error.

FIELD LOGBOOK

The field logbook is essentially a descriptive notebook detailing site activities and observations so that an accurate account of field procedures can be reconstructed in the writer's absence. All entries will be dated and signed by the individuals making the entries, and should include (at a minimum) the following:

1. Site name and project number.
2. Name(s) of personnel on-site.
3. Dates and times of all entries (military time preferred).
4. Descriptions of all site activities, including site entry and exit times.
5. Noteworthy events and discussions.
6. Weather conditions.
7. Site observations.
8. Identification and description of samples and locations.
9. Subcontractor information and names of on-site personnel.
10. Date and time of sample collections, along with chain of custody information.
11. Record of photographs.
12. Site sketches.

SAMPLE LABELS

Sample labels will clearly identify the particular sample, and should include the following:

1. Site name and number.
2. Time and date sample was taken.
3. Sample preservation.
4. Analysis requested.

Optional, but pertinent, information is the sample location.

Sample labels will be securely affixed to the sample container. Tie-on labels can be used if properly secured.

CHAIN OF CUSTODY RECORD

A Chain of Custody record will be maintained from the time the sample is taken to its final deposition. Every transfer of custody must be noted and signed for, and a copy of this record kept by each individual who has signed. When samples (or groups of samples) are not under direct control of the individual responsible for them, they must be stored in a locked container sealed with a Custody Seal.

The Chain of Custody record should include (at minimum) the following:

1. Sample identification number.
2. Sample information.
3. Sample location.
4. Sample date.
5. Name(s) and signature(s) of sampler(s).

6. Signature(s) of any individual(s) with control over samples.

CUSTODY SEALS

Custody Seals demonstrate that a sample container has not been tampered with, or opened.

The individual in possession of the sample(s) will sign and date the seal, affixing it in such a manner that the container cannot be opened without breaking the seal. The name of this individual, along with a description of the sample packaging, will be noted in the field logbook.

4.3.2 Sampling SOPs

Tank Sampling

The safe collection of a representative sample from a tank should be the criteria for selecting sample locations. A representative sample can be collected using techniques and/or equipment that are designed for obtaining liquids or sludges from various depths. The structure and characteristics of storage tanks present problems with collection of samples from more than one location; therefore, the selection of sampling devices is important.

Depending on the type of vessel and characteristics of the material to be sampled, one can choose bailers, glass thieves, bacon bombs, sludge judges, COLIWASAs, or subsurface grab samplers to collect the sample. For depths of less than 5-ft., a bailer, COLIWASA, or sludge judge is used. Sludge judges, subsurface grab samplers, bailers, and bacon bombs can be used for depths greater than 5-ft. A sludge judge or bacon bomb can be used to determine if the tank consists of various strata.

All sample locations should be surveyed for air quality prior to sampling. At no time should sampling continue with an LEL reading greater than 25%.

Drum Sampling

Prior to sampling, drums must be inventoried, staged, and opened. Inventory entails recording visual qualities of each drum and any characteristics pertinent to the contents' classification. Staging involves the organization, and sometimes consolidation of drums which have similar wastes or characteristics. Opening of closed drums can be performed manually or remotely. Remote drum opening is recommended for worker safety.

The most widely used method of sampling a drum involves the use of a glass thief. This method is quick, simple, relatively inexpensive, and requires no decontamination. The thief is inserted into the drum until a solid layer or bottom of the drum is encountered. The waste is allowed to equilibrate in the sample tube, which is then capped and removed for discharge by gravity into the sample container.

Another drum sampling device is the Composite Liquid

Waste Sampler (COLIWASA). Collection with a COLIWASA allows a sample to be collected from the full depth of a drum and maintain it in the transfer tube until delivery to the sample bottle. The COLIWASA is designed to permit representative sampling of multiphased wastes from containerized wastes. However, unlike the glass thief, a COLIWASA is extremely difficult to field decontaminate and relatively expensive, thereby making it impractical to throw away.

Soil Sampling

Collection of samples from near-surface soil will be accomplished with tools such as spades, shovels, and scoops. Surface debris will be removed to the required depth with this equipment, then a stainless steel or plastic scoop can be used to collect the sample. This method can be used in most soil types but is limited to sampling near surface areas. The use of a flat, pointed mason trowel to cut a block of the desired soil can be helpful when undisturbed profiles are required. A stainless steel scoop, lab spoon, or plastic spoon will suffice in most other applications.

All sampling devices should be laboratory cleaned, preferably by the laboratory performing the analysis, using pesticide grade acetone (assuming that acetone is not a target compound) or methanol, then wrapped in cleaned and autoclaved aluminum foil, and custody sealed for identification. The sampling device should remain in this wrapping until it is needed. Each sampler should be used for one sample only. However, dedicated samplers may be impractical if there are a large number of soil samples required. In this case, samplers should be cleaned in the field using the decontamination procedure described elsewhere in Section 4.0.

4.3.3 Sample Handling and Shipment

Each of the sample bottles will be sealed and labeled according to the following protocol. Caps will be secured with custody seals. Bottle labels will contain all required information including site name and sample number, time and date of collection, analysis requested, and preservative used. Sealed bottles will be placed in large metal or plastic coolers, and padded with an absorbent material such as vermiculite.

All sample documents will be affixed to the underside of each cooler lid. The lid will be sealed and affixed on at least two sides with custody seals so that any sign of tampering is easily visible.

4.4 Schedule of Activities

Table 1: Proposed Schedule of Work

<u>Activity</u>	<u>Start Date</u>	<u>End Date</u>
Drum Sampling	06/16/94	06/17/94
Tank Sampling	06/16/94	06/17/94
Hazard Characterization	06/16/94	06/17/94
Soil Sampling	07/13/94	07/13/94
Drum Sampling (Enforcement)	07/13/94	07/13/94
Tank Sampling (Enforcement)	07/13/94	07/13/94

5.0 PROJECT ORGANIZATION AND RESPONSIBILITIES

The EPA On-Scene Coordinator, WARREN ZEHNER, will provide overall direction to ECOLOGY AND ENVIRONMENT, INC. staff concerning project sampling needs, objectives and schedule.

The ECOLOGY AND ENVIRONMENT, INC. Task Leader, MARIANO GOMEZ, is the primary point of contact with the EPA On-Scene Coordinator. The Task Leader is responsible for the development and completion of the Sampling QA/QC Plan, project team organization, and supervision of all project tasks, including reporting and deliverables.

The ECOLOGY AND ENVIRONMENT, INC. Site QC Coordinator, MOSHOOD LESHI, is responsible for ensuring field adherence to the Sampling QA/QC Plan and recording any deviations. The Site QC Coordinator is also the primary project team contact with the lab.

The following sampling personnel will work on this project:

<u>Personnel</u>	<u>Responsibility</u>
Mariano Gomez	Project Manager
Roberta Haglund	Site Safety Officer
Moshood Leshi	Field Screening
Sharon Reese	Field Screening
Joe Cornelius	Tank Sampling
David Beeson	Tank Sampling
Bruce Ridpath	Tank Sampling
Satish Reddy	Drum Sampling
Andrea Abat	Drum Sampling

The following laboratory will be providing the following analyses:

Lab Name / Location	Lab Type	Parameters
ECOLOGY AND ENVIRONMENT ANALYT 4493 WALDEN AVE. LANCASTER, NY 14086	CONTRACTOR LABORATORY	PRIORITY POLLUTANT, TPH

6.0 QUALITY ASSURANCE REQUIREMENTS

The following requirements apply to the respective QA Objectives and parameters identified in Section 3.0:

The following QA Protocols for QA2 data are applicable to all sample matrices and include:

1. Provide sample documentation in the form of field logbooks, the appropriate field data sheets and chain of custody records. Chain of custody records are optional for field screening locations.
2. All instrument calibration and/or performance check procedures/methods will be summarized and documented in the field/personal or instrument log notebook.
3. The detection limit will be determined and recorded, along with the data, where appropriate.
4. Document sample holding times; this includes documentation of sample collection and analysis dates.
5. Provide initial and continuing instrument calibration data.
- 6a. For soil, sediment and water samples, include rinsate blanks, field blanks and trip blanks, as specified in the attached table.
- 6b. For air samples, include lot blanks, field blanks, collocated samples, trip blanks, breakthrough, and QC positive samples, as specified in the attached table.
7. Performance Evaluation samples are optional, if available.
8. Choose any one or combination of the following three options:
 1. Definitive identification - confirm the identification of analytes on 10% of the screened (field or lab) or 100% of the unscreened samples via an EPA-approved method; provide documentation such as gas chromatograms, mass spectra, etc.
 2. Quantitation - provide documentation for quantitative results from screening and the EPA-approved verification method (for screened samples) or just the quantitative results (in the case of unscreened samples).
 3. Analytical error determination - determine the analytical error by calculating the precision, accuracy, and coefficient of variation on a subset of the screened or all of the unscreened samples using an EPA-approved method.

7.0 DELIVERABLES

The ECOLOGY AND ENVIRONMENT, INC. Task Leader, MARIANO GOMEZ, will maintain contact with the EPA On-Scene Coordinator, WARREN ZEHNER, to keep him/her informed about the technical and financial progress of this project. This communication will commence with the issuance of the work assignment and project scoping meeting. Activities under this project will be reported in status and trip reports and other deliverables (e.g., analytical reports, final reports) described herein. Activities will also be summarized in appropriate format for inclusion in monthly and annual reports.

The following deliverables will be provided under this project:

Status Reports

A status report will be prepared on a weekly schedule to provide a detailed accounting of what has occurred, and what is planned to occur for the sampling event. Information will be provided on time and date of major events and personnel on-site (including affiliations). The status report will be organized into three major sections: Background, Observations and Activities, and Future Activities.

Maps/Figures

The following illustrations will be provided:

- Maps [size specifications]
- Figures [titles/types]
- Drawings [scale]

Analysis

This sampling event requires analytical services. Documentation of lab selection, raw data, or results will be provided in the analytical report.

Data Review

A review of the data generated under this plan will be undertaken. The assessment of data acceptability or useability will be provided separately, or as part of the analytical report.

Analytical Report

An analytical report will be prepared for samples analyzed under this plan. Information regarding the analytical methods or procedures employed, sample results, QA/QC results, chain of custody documentation, laboratory correspondence, and raw data will be provided within this deliverable.

Final Report

A final report will be prepared to correlate available background information with data generated under this sampling event and identify supportable conclusions and recommendations which satisfy the objectives of this sampling QA/QC plan.

8.0 DATA VALIDATION

QA2

Data generated under this QA/QC Sampling Plan will be evaluated accordingly with appropriate criteria contained in the Removal Program Data Validation Procedures which accompany OSWER Directive #9360.4-1.

The results of 10% of the samples in the analytical data packages should be evaluated for all of the elements listed in Section 6.0 of

the QA/QC Sampling Plan. The holding times, blank contamination, and detection capability will be reviewed for all remaining samples.

ROBIN ROAD DRUM
Figure 1-1 Site Location Map

ROBIN ROAD DRUM
Figure 4-1 Sample Location Map

TARGET COMPOUND LIST (TCL) AND
QUANTITATION LIMITS (QL) (1)

Volatiles	CAS Number	Quantitation Limits (2)	
		Water	Low Soil/Sediment (3)
		ug/L	ug/Kg
1.	Chloromethane	74-87-3	10
2.	Bromomethane	74-83-9	10
3.	Vinyl Chloride	75-01-4	10
4.	Chloroethane	75-00-3	10
5.	Methylene Chloride	75-09-2	10
6.	Acetone	67-64-1	10
7.	Carbon Disulfide	75-15-0	10
8.	1,1-Dichloroethene	75-35-4	10
9.	1,1-Dichloroethane	75-34-3	10
10.	1,2-Dichloroethene (total)	540-59-0	10
11.	Chloroform	67-66-3	10
12.	1,2-Dichloroethane	107-06-2	10
13.	2-Butanone	78-93-3	10
14.	1,1,1-Trichloroethane	71-55-6	10
15.	Carbon Tetrachloride	56-23-5	10
16.	Bromodichloromethane	75-27-4	10
17.	1,2-Dichloropropane	78-87-5	10
18.	cis-1,3-Dichloropropene	10061-01-5	10
19.	Trichloroethene	79-01-6	10
20.	Dibromochloromethane	124-48-1	10
21.	1,1,2-Trichloroethane	79-00-5	10
22.	Benzene	71-43-2	10
23.	trans-1,3-Dichloropropene	10061-02-6	10
24.	Bromoform	75-25-2	10
25.	4-Methyl-2-pentanone	108-10-1	10
26.	2-Hexanone	591-78-6	10
27.	Tetrachloroethene	127-18-4	10
28.	Toluene	108-88-3	10
29.	1,1,2,2-Tetrachloroethane	79-34-5	10
30.	Chlorobenzene	108-90-7	10
31.	Ethyl Benzene	100-41-4	10
32.	Styrene	100-42-5	10
33.	Xylenes (total)	1330-20-7	10

(1) Specific quantitation limits are highly matrix dependent. The quantitation limits listed herein are provided for guidance and may not always be achievable.

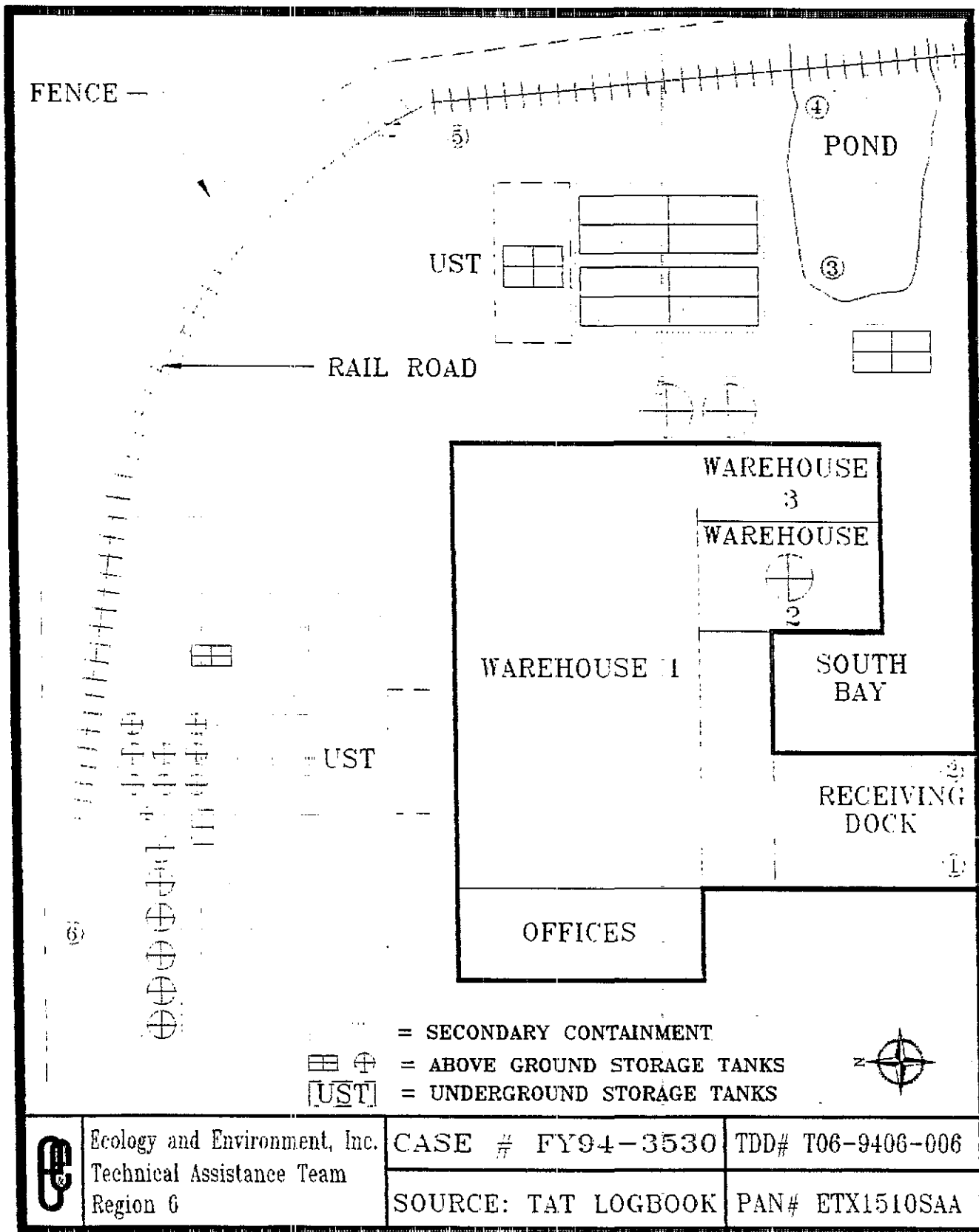
(2) Quantitation limits listed for soil/sediment are based on wet weight. The quantitation limits calculated by the laboratory for soil/sediment on dry weight basis will be higher.

(3) Medium Soil/Sediment Quantitation Limits (QL) for Volatile TCL Compounds are 125 times the individual Low Soil/Sediment QL.

Based on the Contract Laboratory Program Statement of Work, OLM01.6 (6/91).

TARGET COMPOUND LIST (TCL) AND
QUANTITATION LIMITS (QL) (1)

		Quantitation Limits(2) Water Low Soil/Sediment(3)		
Semivolatiles		CAS Number	ug/L	ug/Kg
34.	Phenol	108-95-2	10	330
35.	bis (2-Chloroethyl) ether	111-44-4	10	330
36.	2-Chlorophenol	95-57-8	10	330
37.	1,3-Dichlorobenzene	541-73-1	10	330
38.	1,4-Dichlorobenzene	106-46-7	10	330
39.	1,2-Dichlorobenzene	95-50-1	10	330
40.	2-Methylphenol	95-48-7	10	330
41.	2,2-oxybis (1-chloropropane)	108-60-1	10	330
42.	4-Methylphenol	106-44-5	10	330
43.	N-Nitroso-di-n-propylamine	621-64-7	10	330
44.	Hexachloroethane	67-72-1	10	330
45.	Nitrobenzene	98-95-3	10	330
46.	Isophorone	78-59-1	10	330
47.	2-Nitrophenol	88-75-5	10	330
48.	2,4-Dimethylphenol	105-67-9	10	330
49.	bis (2-Chloroethoxy) methane	111-91-1	10	330
50.	2,4-Dichlorophenol	120-83-2	10	330
51.	1,2,4-Trichlorobenzene	120-82-1	10	330
52.	Naphthalene	91-20-3	10	330
53.	4-Chloroaniline	106-47-8	10	330
54.	Hexachlorobutadiene	87-68-3	10	330
55.	4-Chloro-3-methylphenol	59-50-7	10	330
56.	2-Methylnaphthalene	91-57-6	10	330
57.	Hexachlorocyclopentadiene	77-47-4	10	330
58.	2,4,6-Trichlorophenol	88-06-2	10	330
59.	2,4,5-Trichlorophenol	95-95-4	25	800
60.	2-Chloronaphthalene	91-58-7	10	330
61.	2-Nitroaniline	88-74-4	25	800
62.	Dimethylphthalate	131-11-3	10	330
63.	Acenaphthylene	208-96-8	10	330
64.	2,6-Dinitrotoluene	606-20-2	10	330
65.	3-Nitroaniline	99-09-2	25	800
66.	Acenaphthene	83-32-9	10	330
67.	2,4-Dinitrophenol	51-28-5	25	800
68.	4-Nitrophenol	100-02-7	25	800
69.	Dibenzofuran	132-64-9	10	330
70.	2,4-Dinitrotoluene	121-14-2	10	330
71.	Diethylphthalate	84-66-2	10	330
72.	4-Chlorophenyl-phenylether	7005-72-3	10	330
73.	Fluorene	86-73-7	10	330
74.	4-Nitroaniline	100-01-6	25	800
75.	4,6-Dinitro-2-methylphenol	534-52-1	25	800
76.	N-Nitrosodiphenylamine	86-30-6	10	330
77.	4-Bromophenyl-phenyl ether	101-55-3	10	330
78.	Hexachlorobenzene	118-74-1	10	330



SITE SKETCH MAP
ROBIN ROAD DRUM SITE
HOUSTON, HARRIS COUNTY, TEXAS

79.	Pentachlorophenol	87-86-5	25	800
80.	Phenanthrene	85-01-8	10	330
81.	Anthracene	120-12-7	10	330
82.	Carbazole	86-74-8	10	330
83.	Di-n-butylphthalate	84-74-2	10	330
84.	Fluoranthene	206-44-0	10	330
85.	Pyrene	129-00-0	10	330
86.	Butylbenzylphthalate	85-68-7	10	330
87.	3,3-Dichlorobenzidine	91-94-1	20	660
88.	Benzo(a)anthracene	56-55-3	10	330
89.	Chrysene	218-01-9	10	330
90.	bis(2-Ethylhexyl)phthalate	117-81-7	10	330
91.	Di-n-octylphthalate	117-84-0	10	330
92.	Benzo(b)fluoranthene	205-99-2	10	330
93.	Benzo(k)fluoranthene	207-08-9	10	330
94.	Benzo(a)pyrene	50-32-8	10	330
95.	Indeno(1,2,3-cd)pyrene	193-39-5	10	330
96.	Dibenz(a,h)anthracene	53-70-3	10	330
97.	Benzo(g,h,i)perylene	191-24-2	10	330

(1) Specific quantitation limits are highly matrix dependent. The quantitation limits listed herein are provided for guidance and may not always be achievable.

(2) Quantitation limits listed for soil/sediment are based on wet weight. The quantitation limits calculated by the laboratory for soil/sediment on dry weight basis will be higher.

(3) Medium Soil/Sediment Quantitation Limits (QL) for Semivolatile TCL Compounds are 60 times the individual Low Soil/Sediment QL.

Based on Contract Laboratory Program Statement of Work, OLM01.6 (6/91).

TARGET COMPOUND LIST (TCL) AND
QUANTITATION LIMITS (QL) (1)

Pesticides/PCBs	CAS Number	Quantitation Limits(2)	
		Water ug/L	Low Soil/Sediment(3) ug/Kg
98.	alpha-BHC	319-84-6	0.05 1.7
99.	beta-BHC	319-85-7	0.05 1.7
100.	delta-BHC	319-86-8	0.05 1.7
101.	gamma-BHC (Lindane)	58-89-9	0.05 1.7
102.	Heptachlor	76-44-8	0.05 1.7
103.	Aldrin	309-00-2	0.05 1.7
104.	Heptachlor epoxide	1024-57-3	0.05 1.7
105.	Endosulfan I	959-98-8	0.05 1.7
106.	Dieldrin	60-57-1	0.10 3.3
107.	4,4'-DDE	72-55-9	0.10 3.3
108.	Endrin	72-20-8	0.10 3.3
109.	Endosulfan II	33213-65-9	0.10 3.3
110.	4,4'-DDD	72-54-8	0.10 3.3
111.	Endosulfan sulfate	1031-07-8	0.10 3.3
113.	4,4'-DDT	50-29-3	0.10 3.3
114.	Methoxychlor	72-43-5	0.50 17.0
115.	Endrin ketone	53494-70-5	0.10 3.3
116.	Endrin aldehyde	7421-36-3	0.10 3.3
117.	alpha-Chlordane	5103-71-9	0.5 1.7
118.	gamma-Chlordane	5103-74-2	0.5 1.7
119.	Toxaphene	8001-35-2	1.0 170.0
120.	Aroclor-1016	12674-11-2	0.5 33.0
121.	Aroclor-1221	11104-28-2	0.5 33.0
122.	Aroclor-1232	11141-16-5	0.5 67.0
123.	Aroclor-1242	53469-21-9	0.5 33.0
124.	Aroclor-1248	12672-29-6	0.5 33.0
125.	Aroclor-1254	11097-69-1	1.0 33.0
126.	Aroclor-1260	11096-82-5	1.0 33.0

- (1) Specific quantitation limits are highly matrix dependent. The quantitation limits listed herein are provided for guidance and may not always be achievable.
- (2) Quantitation limits listed for soil/sediment are based on wet weight. The quantitation limits calculated by the laboratory for soil/sediment on dry weight basis will be higher.
- (3) Medium Soil/Sediment Quantitation Limits (QL) for Pesticides/PCB TCL compounds are 15 times the individual Low Soil/Sediment QL.

Based on the Contract Laboratory Program Statement of Work, OLM01.6 (6/91).

INORGANIC TARGET ANALYTE LIST (TAL)

Analyte	Detection Limit (ug/L -- water (1))
Aluminum	200
Antimony	60
Arsenic	10
Barium	200
Beryllium	5
Cadmium	5
Calcium	5000
Chromium	10
Cobalt	50
Copper	25
Iron	100
Lead	3
Magnesium	5000
Manganese	15
Mercury	0.2
Nickel	40
Potassium	5000
Selenium	5
Silver	10
Sodium	5000
Thallium	10
Vanadium	50
Zinc	20
Cyanide	10

(1) Sediment detection limit 100x water (ug/kg -- soil/sediment).

Based on the Contract Laboratory Program Statement of Work, ILMO2.1 (9/91).

ATTACHMENT - H
ANALYTICAL DATA SUMMARY

**DATA SUMMARY
FOR
ROBIN ROAD DRUM
HOUSTON, HARRIS COUNTY, TEXAS**

UNITS: $\mu\text{g/kg}$

Sample ID	001	002	003	004	005	006
% Solids	80	74	57	49	97	91
Compounds:						
Methylene Chloride	U	U	U	45	U	U
1,2-dichloroethene	U	43	U	U	U	U
Tetrachloroethene	U	14J	U	U	U	U
Toluene	U	24J	20000	41	U	U
Ethylbenzene	U	24J	5300	U	U	U
Acetone	21	54	U	150	U	6.9J
Styrene	U	62	U	U	U	U
Total Xylenes (o,m,p)	U	300	32000	1200	U	U
TICS:	001	002	003	004	005	006
Propyl/benzene Isomer	U	U	29000	890	U	U
Total Unknown Hydrocarbon	U	U	126600	830	U	U

Key:

U - The analyte was analyzed for, but not detected above the quantitation limit.

J - Associated values is estimated.

TICS - Tentatively Identified Compounds.

**DATA SUMMARY
FOR
ROBIN ROAD DRUM
HOUSTON, HARRIS COUNTY, TEXAS**

UNITS: $\mu\text{g/kg}$

Sample ID	001	002	003	004	005	006
% Solids						
Compounds:						
Naphthalene	U	U	760J	U	71J	U
Fluoranthene	51	U	U	U	U	U
Pyrene	U	300	U	U	U	U
Bis(2-ethylhexyl)phthalate	300	2800	3100	1400	410	550J
2-methylnaphthalene	U	U	710J	U	U	U
TICS:	001	002	003	004	005	006
Unknown Cycloalkene	89000	3000	U	U	U	U
Xylene Isomer		U	U	U	370	U
Unknown Alkylbenzene	U	U	14000	22000	U	U
Unknown Hydrocarbon	U	36000	17000	12610	200	U
Alkane	3000	U	U	U	U	U

Key:

U - The analyte was analyzed for, but not detected above the quantitation limit.

J - Associated values is estimated.

TICS - Tentatively Identified Compounds.

**DATA SUMMARY
FOR
ROBIN ROAD DRUM
HOUSTON, HARRIS COUNTY, TEXAS**

UNITS: mg/kg

Sample ID	001	002	003	004	005	006
% Solids	80	74	57	49	97	91
Analytes:						
Antimony	UJ	UJ	UJ	UJ	UJ	UJ
Arsenic	13.9	23.3	2.4	3.8	5.3	2.8
Beryllium	1.9	0.81	0.44	0.55	0.62	0.23
Cadmium	0.76	4.2	0.94	U	2.4	0.85
Chromium	631	310	45.1	59.7	245	84.1
Copper	38.4	128	32.3	42.5	107	20.7
Lead	486	304	56.7	85.0	336	148
Mercury	U	U	U	U	0.14	U
Nickel	27.1	122	12.0	16.5	60.5	16.1
Selenium	U	U	U	U	U	U
Silver	U	U	U	U	U	U
Thallium	U	U	U	U	U	U
Zinc	292J	1600J	205J	214J	552J	158J
Cyanide (TOTAL)	U	U	U	U	U	U

Key:

U - The analyte was analyzed for, but not detected above the quantitation limit.

J - Associated values is estimated.

**DATA SUMMARY
FOR
ROBIN ROAD DRUM
HOUSTON, HARRIS COUNTY, TEXAS**

UNITS: mg/kg

Sample ID	001	002	003	004	005	006
% Solids						
Total Phenols	U	U	0.50	U	U	0.65

Key:

- U - The analyte was analyzed for, but not detected above the quantitation limit.
- J - Associated values is estimated.

**DATA SUMMARY
FOR
ROBIN ROAD DRUM
HOUSTON, HARRIS COUNTY, TEXAS**

UNITS: mg/kg

Sample ID	001	002	003	004	005	006
% Solids						
Compounds:						
Chlordane	U	1.8	U	U	0.45	U
PCB-1260 Arochlor	4.5	1.4	0.84	0.94	1.4	0.44

Key:

- U - The analyte was analyzed for, but not detected above the quantitation limit.
- J - Associated values is estimated.

**DATA SUMMARY
FOR
ROBIN ROAD DRUM
HOUSTON, HARRIS COUNTY, TEXAS**

UNITS: mg/kg

Sample ID	001	002	003	004	005	006
% Solids						
TPH as Gasoline	UJ	3900J	2700J	91J	UJ	UJ
TPH as Diesel	6800J	7700J	11000J	2600J	480J	820J

Key:

- U - The analyte was analyzed for, but not detected above the quantitation limit.
- J - Associated values is estimated.

**DATA SUMMARY
FOR
ROBIN ROAD DRUM
HOUSTON, HARRIS COUNTY, TEXAS**

PERCENT SOLIDS

Sample ID	Results
001	80%
002	74%
003	57%
004	49%
005	97%
006	91%

ATTACHMENT - I
DATA VALIDATION REPORT

DATA VALIDATION REPORT

DATE: September 9, 1994

SITE NAME AND LOCATION: Robin Road Drums Site, Houston, Harris
County, Texas

PROJECT REFERENCES: TDD #: T06-9406-006

PAN:ETX1510SAA

PROJECT MANAGER: Mariano Gomez

DATA VALIDATED BY: Moshood O. Leshi

ANALYTICAL LABORATORY AND LOCATION: Ecology and Environment, Inc.
Analytical Services, Buffalo,
New York.

ANALYSES PERFORMED: Priority Pollutant (PP) metals plus total
Cyanide, PP volatile organics, PP semi-
volatile organics, PP pesticides/pCBS, total
phenols, total petroleum hydrocarbons.

SAMPLE MATRIX: Soil

ANALYTICAL METHODS: EPA approved SW-846 and other EPA methods

NUMBER OF SAMPLES: Six

SAMPLE LIST:

001	002	003	004	005	006
-----	-----	-----	-----	-----	-----

OVERALL DATA ASSESSMENT AND GENERAL COMMENTS:

According to the guidelines stipulated in the Office of Solid Waste and Emergency Response (OSWER) directives 9360.4-01 Interim final of April 1990, this data package is considered acceptable and usable with the following comments:

VOLATILE ORGANICS ANALYSIS:

During the volatile organics analysis, the surrogate recoveries for samples 001, 003, 004, and 005 were outside the QA/QC criteria. However, the laboratory reanalyzed samples 001 and 005 with

acceptable surrogate recoveries, and unacceptable internal standard criteria. Sample 003 was reanalyzed using the medium level protocol during which the surrogate recoveries QA/QC criteria were met. The surrogate recoveries, as well as the internal standard criteria outliers may have resulted from sample matrix interference. The levels of Toluene and Total Xylene compounds found in sample 003 exceeded the calibration limit for low analytical level. The sample was reanalyzed at a medium level with satisfactory results. All reanalyzed samples were reported with appropriate concentration levels determined during reanalysis.

SEMI-VOLATILE ORGANICS ANALYSIS:

During the analysis for sample 005, the laboratory discovered that the surrogate recovery values for the sample as well as the associated Matrix Spike Duplicate sample were low for all the compounds while an acceptable percent recovery was obtained for Matrix Spike sample. These resulted in obtaining high Relative Percent Difference (RPD) values for MS/MSD analysis. This may have resulted from incomplete sample homogenization and matrix interference. The laboratory also discovered that the Internal Standard area response for sample 006 was low. The sample was not reanalyzed because it only affects bis(2-ethylhexyl)phthalate, which is also considered as one of the major laboratory contaminant during routine analysis.

PESTICIDES/PCBS ANALYSIS:

During the pesticides/pcbs analysis, the laboratory discovered that technical Chlordane interfered with proper identification of pcb arochlors. The laboratory then treated the samples with acid and analyzed for pcbs separately. The MS/MSD compounds analyzed for during pesticide analysis were diluted out as a result of the small quantity of the spike added. It was therefore not possible to determine the percent recoveries for MS/MSD.

TOTAL PETROLEUM HYDROCARBON (TPH) AS GASOLINE AND AS DIESEL

The holding time for TPH analyses were exceeded. All positively identified values will be considered estimated and appropriately flagged as "J". The %R for TPH as gasoline was outside the QA/QC criteria for MSD sample. The spike added during the MS/MSD analysis for TPH as Diesel were also diluted out.

TOTAL PHENOLS:

The laboratory did not encounter any problems during the analysis.

PRIORITY POLLUTANT METALS PLUS TOTAL CYANIDE:

The percent recoveries for Antimony and Zinc were outside the QA/QC criteria for the Laboratory Control Sample analyzed with the ICP as part of the laboratory's QA check criteria. All positive Antimony and Zinc values will be considered estimated and flagged with a "J". Chromium values for all the samples were determined using the method of serial dilution.

DATA QUALIFICATION PARAMETERS: Each reported value has been qualified according to the criteria set forth in the OSWER directive.

SAMPLE HOLDING TIMES: All sample holding times were met except for TPH analysis.

ANALYTICAL INSTRUMENT PERFORMANCE:

a. Initial and continuing calibration: All calibrations meet criteria.

b. ICP Interference Check sample: Performed satisfactorily.

BLANK ANALYSIS: Performed appropriately and satisfactorily.

ANALYTE QUANTITATION: Units of data reporting (including dilution factors if applicable)

A detailed data summary for the samples and analytes found is attached.

ATTACHMENT - J

**ANALYTICAL DATA PACKAGE
(Separate Cover - Houston TAT File)**

ATTACHMENT - K

INVENTORY OF DRUMS (With Tests)

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:39:20
Date: 06/29/94
Page : 1

rum Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
001 (Top)	LIQUID ORANGE OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	5	WS/NEUT/FLM	3.34 Gal
003 (Top)	LIQUID COLORLESS CLEAR	X	N	N	Y	X	N	X	X	X	Y	X	5	WS/NEUT/FLM	3.34 Gal
004 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	3	WS/ACID/FLM	41.25 Gal
005 (Top)	LIQUID WHITE OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	6	WS/NEUT/FLM	41.25 Gal
006 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	4	WS/NEUT/FLM	41.25 Gal
008 (Top)	SLUDGE BLACK CLOUDY	X	N	X	N 1	X	N	X	X	N	Y	X	1	ACID/FLM	NA
008 (Bottom)	LIQUID YELLOW CLEAR	X	N	X	Y	X	N	X	X	X	Y	X	1	WS/ACID/FLM	NA
009 (Top)	LIQUID COLORLESS CLEAR	X	N	X	N 2	X	N	X	X	X	Y 3	X	5	NEUT/FLM	41.25 Gal
010 (Top)	LIQUID PINK OPAQUE	X	N	X	N 4	X	N	X	X	N	Y 5	N	5	NEUT/FLM	22.50 Gal
011 (Top)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	Y 6	X	3	WS/ACID/FLM	22.50 Gal
012 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 7	X	N	X	X	X	Y	X	3	ACID/FLM	55.00 Gal

1. FLOATS
3. COMBUSTIBLE
5. COMBUSTIBLE
7. FLOATS

2. FLOATS
4. SINKS
6. COMBUSTIBLE

000091

000090

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:39:27
Date: 06/29/94
Page : 2

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
013 (Top)	LIQUID BROWN CLOUDY	X	N	X	Y 1	X	N	X	X	X	Y	X	4	WS/NEUT/FLM	55.00 Gal
014 (Top)	SOLID WHITE CLEAR	X	N	X	N 2	X	N	X	X	X	N 3	X	8	NEUT	55.00 Gal
015 (Top)	LIQUID YELLOW CLEAR	X	N	X	Y 4	X	N	X	X	X	N	X	7	WS/NEUT	55.00 Gal
016 (Top)	SOLID WHITE CLEAR	X	N	X	N 5	X	N	X	X	X	N 6	X	8	NEUT	55.00 Gal
017 (Top)	SOLID WHITE CLEAR	X	N	X	N 7	X	N	X	X	X	N 8	X	8	NEUT	55.00 Gal
018 (Top)	SOLID WHITE CLEAR	X	N	X	N 9	X	N	X	X	X	N 10	X	8	NEUT	55.00 Gal
019 (Top)	SOLID WHITE CLEAR	X	N	X	N 11	X	N	X	X	X	N 12	X	8	NEUT	55.00 Gal
020 (Top)	LIQUID YELLOW CLEAR	X	N	X	Y 13	X	N	X	X	X	N	X	7	WS/NEUT	55.00 Gal
021 (Top)	SLUDGE WHITE CLEAR	X	N	X	N 14	X	N	X	X	X	N 15	X	7	NEUT	55.00 Gal

1. SLIGHT
3. MELTS
5. FLOATS
7. FLOATS
9. FLOATS
11. FLOATS
13. EMULSION
15. MELTS

2. FLOATS
4. EMULSION
6. MELTS
8. MELTS
10. MELTS
12. MELTS
14. FLOATS

000091

000091

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:39:33
Date: 06/29/94
Page : 3

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
022 (Top)	LIQUID COLORLESS CLEAR	X	N	X	N 1	X	N	X	X	X	Y	N	4	NEUT/FLM	13.75 Gal
023 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	4	WS/NEUT/FLM	13.75 Gal
024 (Top)	LIQUID BROWN OPAQUE	X	N 2	X	Y 3	X	N	X	X	X	Y 4	X	6	WS/NEUT/FLM	5.00 Gal
025 (Top)	LIQUID BROWN CLOUDY	X	N 5	X	Y 6	X	N	X	X	X	Y 7	X	8	WS/NEUT/FLM	5.00 Gal
026 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	6.00 Gal
027 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	N	N	X	Y	X	10	WS/NEUT/FLM	5.00 Gal
028 (Top)	LIQUID BROWN OPAQUE	X	N 8	X	Y 9	X	N	X	X	N	Y 10	X	6	WS/NEUT/FLM	5.00 Gal
032 (Top)	LIQUID BLACK OPAQUE	X	N	N	N 11	X	N	X	X	X	Y	N	4	NEUT/FLM	55.00 Gal
033 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 12	X	N	X	X	N	Y	X	5	NEUT/FLM	55.00 Gal
034 (Top)	LIQUID BROWN CLEAR	X	N	X	Y	X	N	X	X	X	Y	X	5	WS/NEUT/FLM	55.00 Gal

1. FLOATS
3. SLIGHT
5. FOAMS
7. COMBUSTIBLE
9. SINKS
1. FLOATS

2. FOAMS
4. COMBUSTIBLE
6. SLIGHT
8. FOAMS
10. COMBUSTIBLE
12. SINKS

000092

000092

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:39:38
Date: 06/29/94
Page : 4

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
036 (Top)	LIQUID BLACK OPAQUE	X	N	X	N 1	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
037 (Top)	GEL WHITE CLOUDY	X	N	X	Y 2	X	N	X	X	X	Y 3	X	6	WS/NEUT/FLM	41.25 Gal
038 (Top)	GEL GRAY OPAQUE	X	N	X	N 4	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
039 (Top)	SLUDGE GRAY CLOUDY	X	N	X	N 5	X	N	X	X	X	Y	X	4	NEUT/FLM	55.00 Gal
040 (Top)	SOLID GRAY OPAQUE	X	N	X	N 6	X	N	X	X	N	Y	X	5	NEUT/FLM	27.50 Gal
041 (Top)	SOLID GRAY CLEAR	X	N	X	N 7	X	N	X	X	N	Y	X	6	NEUT/FLM	55.00 Gal
042 (Top)	SOLID GRAY CLEAR	X	N	X	N 8	X	N	X	X	N	Y	X	4	NEUT/FLM	55.00 Gal
043 (Top)	GEL GRAY OPAQUE	X	N	X	N 9	X	N	X	X	X	Y	N	4	NEUT/FLM	55.00 Gal
044 (Top)	GEL GRAY OPAQUE	X	N	X	N 10	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
045 (Top)	GEL GRAY OPAQUE	X	N	N	N 11	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal

1. FLOATS
3. COMBUSTIBLE
5. FLOATS
7. SINKS
9. SINKS
1. FLOATS

2. PARTIAL
4. FLOATS
6. SINKS
8. SINKS
10. SINKS

000093

000093

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:39:42
Date: 06/29/94
Page : 5

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
046 (Top)	GEL GRAY OPAQUE	X	N	X	N 1	X	N	X	X	X	Y	N	5	NEUT/FLM	55.00 Gal
047 (Top)	GEL GRAY OPAQUE	X	N	X	N 2	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
048 (Top)	GEL GRAY OPAQUE	X	N	X	X 3	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
049 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 4	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
050 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 5	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
051 (Top)	GEL GRAY OPAQUE	X	N	X	N 6	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
052 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 7	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
053 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 8	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
054 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 9	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
055 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 10	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal

1. FLOATS
3. FLOATS
5. SINKS
7. SINKS
9. SINKS

2. FLOATS
4. FLOATS
6. SINKS
8. SINKS
10. SINKS

000094

000094

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:39:47
Date: 06/29/94
Page : 6

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
056 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 1	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
057 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 2	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
058 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 3	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
059 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 4	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
060 (Top)	SLUDGE GRAY OPAQUE	X	N	X	N 5	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
064 (Top)	SOLID WHITE CLEAR	X	N	X	Y	X	N	N	N	X	N	X	13	WS/BASE	27.50 Gal
065 (Top)	SOLID WHITE CLEAR	X	N	X	Y	X	N	N	N	X	N	X	13	WS/BASE	55.00 Gal
066 (Top)	SOLID WHITE CLEAR	X	N	X	Y	X	N	N	N	X	N	X	13	WS/BASE	27.50 Gal
072 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	Y 6	X	6	WS/NEUT/FLM	13.75 Gal
093 (Top)	LIQUID ORANGE CLOUDY	X	N	X	Y	X	N	X	X	X	Y	X	4	WS/NEUT/FLM	55.00 Gal
094 (Top)	SOLID BLACK CLEAR	X	N	X	Y 7	X	N	X	X	X	Y 8	X	5	WS/NEUT/FLM	55.00 Gal

1. SINKS
3. SINKS
5. SINKS
7. SLIGHT

2. SINKS
4. SINKS
6. COMBUSTIBLE
8. OVA > 1000 PPM

000095

000095

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:39:51
Date: 06/29/94
Page : 7

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
095 (Top)	SOLID BLACK CLEAR	X	N	X	Y 1	X	N	X	X	X	Y 2	X	3	WS/ACID/FLM	55.00 Gal
096 (Top)	SOLID BLACK CLEAR	X	N	X	Y 3	X	N	X	X	X	Y 4	X	3	WS/ACID/FLM	55.00 Gal
097 (Top)	SOLID BLACK OPAQUE	X	N	X	Y 5	X	N	X	X	X	Y 6	X	3	WS/ACID/FLM	55.00 Gal
098 (Top)	SOLID BLACK OPAQUE	X	N	X	Y 7	X	N	X	X	X	Y 8	X	3	WS/ACID/FLM	55.00 Gal
099 (Top)	LIQUID BLACK CLEAR	X	N	X	N 9	X	N	X	X	X	Y	X	3	ACID/FLM	55.00 Gal
100 (Top)	SOLID BLACK CLEAR	X	N	X	Y 10	X	N	X	X	X	Y 11	X	4	WS/NEUT/FLM	55.00 Gal
101 (Top)	SOLID BLACK CLOUDY	X	N	N	Y 12	X	N	X	X	X	Y 13	X	3	WS/ACID/FLM	55.00 Gal
107 (Top)	LIQUID BROWN CLOUDY	X	N	X	N 14	X	N	X	X	X	Y	X	5	NEUT/FLM	2.50 Gal
108 (Top)	LIQUID COLORLESS CLEAR	X	N	X	N 15	X	N	X	X	X	Y	X	7	NEUT/FLM	1.25 Gal

1. SLIGHT
3. SLIGHT
5. SLIGHT
7. SLIGHT
9. FLOATS
11. OVA > 1000 PPM
13. OVA > 1000 PPM
15. FLOATS

2. OVA > 1000 PPM
4. OVA > 1000 PPM
6. OVA > 1000 PPM
8. OVA > 1000 PPM
10. SLIGHT
12. SLIGHT
14. FLOATS

000096

000096

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:39:54
Date: 06/29/94
Page : 8

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
109 (Top)	SOLID BROWN	X	N	X	N	X	N	X	X	X	N	N	6	NEUT	2.50 Gal
114 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 1	X	N	X	X	X	Y 2	X	5	NEUT/FLM	5.00 Gal
115 (Top)	LIQUID BLACK OPAQUE	X	N	X	N 3	X	N	X	X	X	Y 4	X	5	NEUT/FLM	5.00 Gal
117 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 5	X	N	X	X	X	Y	X	4	NEUT/FLM	5.00 Gal
118 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 6	X	N	X	X	X	Y 7	X	4	NEUT/FLM	NA
119 (Top)	LIQUID COLORLESS CLEAR	X	Y 8	X	Y	X	N	N	N	X	N	X	14	WATER REACTIVE	3.75 Gal
120 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y 9	X	N	X	X	X	Y	X	3	WS/ACID/FLM	13.75 Gal
121 (Top)	LIQUID YELLOW CLEAR	X	Y 10	X	Y	X	N	X	X	X	Y 11	X	1	WATER REACTIVE	1.25 Gal
122 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 12	X	N	X	X	N	Y 13	X	6	NEUT/FLM	3.75 Gal
123 (Top)	LIQUID COLORLESS CLEAR	X	N	X	N 14	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal

1. FLOATS
3. FLOATS
5. FLOATS
7. COMBUSTIBLE
9. SLIGHT
1. COMBUSTIBLE
3. COMBUSTIBLE

2. COMBUSTIBLE
4. COMBUSTIBLE
6. FLOATS
8. GENERATES HEAT
10. GENERATES HEAT
12. GREATER
14. FLOATS

000097

000097

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:39:58
Date: 06/29/94
Page : 9

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
124 (Top)	LIQUID YELLOW CLEAR	X	N	X	N 1	X	N	X	X	X	Y	X	5	NEUT/FLM	5.00 Gal
135 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 2	X	N	X	X	N	Y 3	X	5	NEUT/FLM	0.00 Gal
140 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y 4	X	N	X	X	X	Y	X	8	WS/NEUT/FLM	3.75 Gal
143 (Top)	LIQUID COLORLESS CLEAR	X	N	X	N 5	X	N	X	X	X	Y	X	7	NEUT/FLM	2.50 Gal
148 (Top)	LIQUID COLORLESS CLEAR	X	N	X	N 6	X	N	X	X	X	Y	X	7	NEUT/FLM	3.75 Gal
150 (Top)	LIQUID COLORLESS CLEAR	X	N	X	N 7	X	N	X	X	X	Y	X	5	NEUT/FLM	NA
152 (Top)	LIQUID ORANGE CLEAR	X	N	X	Y	X	N	X	X	X	Y	X	4	WS/NEUT/FLM	3.75 Gal
156 (Top)	SLUDGE BROWN OPAQUE	X	N	X	N 8	X	N	X	X	X	Y 9	X	1	ACID/FLM	6.88 Gal
156 (Bottom)	LIQUID YELLOW CLOUDY	X	N	X	Y	X	N	X	X	X	N	X	1	WS/ACID	20.63 Gal
157 (Top)	SLUDGE BLACK OPAQUE	X	N	X	Y 10	X	N	X	X	X	N	X	1	WS/ACID	41.25 Gal

1. SINKS
3. COMBUSTIBLE
5. SUSPENSION
7. FLOATS
9. COMBUSTIBLE

2. SINKS
4. PARTIAL
6. FLOATS
8. FLOATS
10. SLIGHT

860000

000098

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:02
Date: 06/29/94
Page : 10

Run Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
158 (Top)	SLUDGE BROWN CLOUDY	X	N	X	N 1	X	N	X	X	X	Y 2	X	1	ACID/FLM	10.31 Gal
158 (Bottom)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	1	WS/ACID	30.94 Gal
159 (Top)	SLUDGE BLACK OPAQUE	X	N	X	Y 3	X	N	X	X	X	Y 4	X	1	WS/ACID/FLM	41.25 Gal
160 (Top)	LIQUID BROWN CLEAR	X	N	X	Y 5	X	N	X	X	X	N	X	6	WS/NEUT	10.02 Gal
161 (Top)	SLUDGE WHITE OPAQUE	X	N	X	Y 6	X	N	X	X	X	Y 7	X	1	WS/ACID/FLM	6.68 Gal
162 (Top)	SOLID BLACK OPAQUE	X	N	X	Y 8	X	N	X	X	X	N	X	3	WS/ACID	3.34 Gal
169 (Top)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	55.00 Gal
171 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 9	X	N	X	X	X	Y 10	X	5	NEUT/FLM	3.75 Gal
172 (Top)	LIQUID BLACK OPAQUE	X	N	X	N 11	X	N	X	X	X	Y	X	7	NEUT/FLM	55.00 Gal
173 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 12	X	N	X	X	X	Y 13	X	5	NEUT/FLM	3.75 Gal

1. FLOATS
3. SLIGHT
5. EMULSION
7. COMBUSTIBLE
9. FLOATS
1. FLOATS
3. COMBUSTIBLE

2. COMBUSTIBLE
4. COMBUSTIBLE
6. EMULSION
8. SLIGHT
10. IGNITABLE
12. FLOATS

660000

000099

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:06
Date: 06/29/94
Page : 11

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
174 (Top)	LIQUID WHITE OPAQUE	X	N	X	Y 1	X	N	X	X	X	N	X	5	WS/NEUT	3.34 Gal
176 (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	4	WS/NEUT	27.50 Gal
176 (Bottom)	LIQUID GRAY OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	4	WS/NEUT	27.50 Gal
177 (Top)	SLUDGE RED OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	41.25 Gal
178 (Top)	SOLID YELLOW OPAQUE	X	N	X	N 2	X	N	X	X	X	N 3	X	5	NEUT	5.00 Gal
179 (Top)	SOLID WHITE OPAQUE	X	N	X	Y 4	X	N	X	X	X	N	X	7	WS/NEUT	5.00 Gal
180 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 5	X	N	X	X	X	Y 6	X	5	NEUT/FLM	5.00 Gal
181 (Top)	LIQUID BLUE OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	6	WS/NEUT	6.68 Gal
182 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 7	X	N	X	X	X	Y 8	X	5	NEUT/FLM	5.00 Gal
184 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 9	X	N	X	X	X	Y	X	5	NEUT/FLM	5.00 Gal

1. SLIGHT
3. IGNITABLE
5. FLOATS
7. FLOATS
9. FLOATS

2. FLOATS
4. SLIGHT
6. COMBUSTIBLE
8. COMBUSTIBLE

000100

000100

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:09
Date: 06/29/94
Page : 12

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
185 (Top)	SOLID BROWN OPAQUE	X	N	X	N 1	X	N	X	X	X	Y 2	X	5	NEUT/FLM	5.00 Gal
186 (Top)	SOLID BROWN OPAQUE	X	N	X	N 3	X	N	X	X	X	Y	X	7	*	5.00 Gal
187 (Top)	LIQUID PURPLE OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	10.02 Gal
188 (Top)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	10.00 Gal
189 (Top)	SLUDGE BROWN OPAQUE	X	N	X	N 4	X	N	X	X	X	N	X	5	NEUT	7.50 Gal
190 (Top)	SLUDGE BROWN OPAQUE	X	N	X	N 5	X	N	X	X	X	Y 6	X	5	NEUT/FLM	7.50 Gal
191 (Top)	LIQUID PURPLE OPAQUE	X	N	X	Y	X	N	N	N	X	N	X	9	WS/NEUT	3.34 Gal
193 (Top)	SLUDGE BROWN OPAQUE	X	N	X	N 7	X	N	X	X	X	N	X	5	NEUT	5.00 Gal
195 (Top)	LIQUID PURPLE OPAQUE	X	N	X	Y	X	I 9	X	X	X	N	X	7 8	WS/NEUT	55.00 Gal
197 (Top)	LIQUID WHITE OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	4	WS/NEUT	13.75 Gal

= Bad Hazscan Category

1. FLOATS
3. FLOATS
5. FLOATS
7. FLOATS
9. INTERFERENCE DUE TO COLOR

2. COMBUSTIBLE
4. FLOATS
6. COMBUSTIBLE
8. INTERFERENCE DUE TO COLOR

000101

000101

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:12
Date: 06/29/94
Page : 13

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
198 (Top)	LIQUID WHITE OPAQUE	X	N	X	Y	X	N	X	X	X	Y 1	X	5	WS/NEUT/FLM	55.00 Gal
199 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 2	X	N	X	X	X	Y 3	X	4	NEUT/FLM	7.50 Gal
200 (Top)	LIQUID PURPLE OPAQUE	X	N	X	Y	X	N	N	N	X	N	X	12	WS/BASE	3.34 Gal
201 (Top)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	41.25 Gal
202 (Top)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	5.00 Gal
203 (Top)	SOLID	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	27.50 Gal
204 (Top)	SOLID BROWN OPAQUE	X	N	X	N 4	X	N	X	X	X	Y	X	5	NEUT/FLM	NA
205 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 5	X	N	X	X	X	Y 6	X	5	NEUT/FLM	6.88 Gal
205 (Bottom)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	20.63 Gal
206 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 7	X	N	X	X	X	Y	X	7	NEUT/FLM	55.00 Gal

1. COMBUSTIBLE
3. COMBUSTIBLE
5. FLOATS
7. FLOATS

2. FLOATS
4. FLOATS
6. COMBUSTIBLE

000102

000102

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:15
Date: 06/29/94
Page : 14

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
207 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 1	X	N	X	X	X	Y	X	7	NEUT/FLM	55.00 Gal
208 (Top)	SOLID BLACK OPAQUE	X	N	X	Y 2	X	N	X	X	X	Y	X	5	WS/NEUT/FLM	55.00 Gal
209 (Top)	LIQUID WHITE CLOUDY	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	55.00 Gal
210 (Top)	LIQUID GRAY CLOUDY	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	55.00 Gal
211 (Top)	SOLID BLACK OPAQUE	X	N	X	N 3	X	N	X	X	X	Y	X	7	NEUT/FLM	55.00 Gal
212 (Top)	SOLID BLACK OPAQUE	X	N	X	N 4	X	N	X	X	X	Y	X	7	NEUT/FLM	55.00 Gal
213 (Top)	LIQUID GRAY CLOUDY	X	N	X	N 5	X	N	X	X	X	N 6	X	7	NEUT	55.00 Gal
215 (Top)	SOLID BLACK OPAQUE	X	N	X	N 7	X	N	X	X	X	Y	X	7	NEUT/FLM	55.00 Gal
216 (Top)	SOLID BLACK OPAQUE	X	N	X	N 8	X	N	X	X	X	Y	X	7	NEUT/FLM	55.00 Gal
217 (Top)	SOLID BLACK OPAQUE	X	N	X	N 9	X	N	X	X	X	Y	X	7	NEUT/FLM	55.00 Gal

1. FLOATS
3. FLOATS
5. FLOATS
7. FLOATS
9. FLOATS

2. FLOATS
4. FLOATS
6. COMBUSTIBLE
8. FLOATS

000103

000103

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:18
Date: 06/29/94
Page : 15

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
218 (Top)	SOLID BLACK OPAQUE	X	N	X	N 1	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
219 (Top)	SOLID BLACK OPAQUE	X	N	X	N 2	X	N	X	X	X	Y	X	7	NEUT/FLM	55.00 Gal
220 (Top)	LIQUID GRAY CLOUDY	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	55.00 Gal
221 (Top)	SOLID BLACK OPAQUE	X	N	X	N 3	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
222 (Top)	LIQUID GRAY OPAQUE	X	N	X	Y 4	X	N	X	X	X	N	X	6	WS/NEUT	41.25 Gal
223 (Top)	SOLID BLACK OPAQUE	X	N	X	N 5	X	N	X	X	X	Y	X	6	NEUT/FLM	55.00 Gal
224 (Top)	SOLID BLACK OPAQUE	X	N	X	X 6	X	N	X	X	X	Y	X	5	NEUT/FLM	55.00 Gal
225 (Top)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	4	WS/NEUT	55.00 Gal
226 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	Y 7	X	7	WS/NEUT/FLM	13.75 Gal
227 (Top)	LIQUID GRAY OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	27.50 Gal

1. FLOATS
3. FLOATS
5. FLOATS
7. COMBUSTIBLE

2. FLOATS
4. EMULSION
6. FLOATS

000104

000104

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:21
Date: 06/29/94
Page : 16

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
229 (Top)	SOLID BLACK OPAQUE	X	N	X	N 1	X	N	X	X	X	Y	X	7	NEUT/FLM	55.00 Gal
230 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 2	X	N	X	X	X	Y 3	X	7	NEUT/FLM	1.25 Gal
230 (Bottom)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	1.25 Gal
232 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 4	X	N	X	X	X	Y	X	7	NEUT/FLM	NA
233 (Top)	SLUDGE BROWN OPAQUE	X	N	X	N 5	X	N	X	X	X	Y 6	X	7	NEUT/FLM	2.50 Gal
235 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 7	X	N	X	X	X	Y 8	X	5	NEUT/FLM	5.00 Gal
236 (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	5.01 Gal
237 (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	55.00 Gal
238 (Top)	LIQUID GRAY OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	3.34 Gal
239 (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	13.75 Gal

1. FLOATS
3. COMBUSTIBLE
5. FLOATS
7. FLOATS

2. FLOATS
4. FLOATS
6. COMBUSTIBLE
8. COMBUSTIBLE

000105

000105

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:24
Date: 06/29/94
Page : 17

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
240 (Top)	LIQUID ORANGE OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	6	WS/NEUT	3.34 Gal
241 (Top)	SLUDGE PINK OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	6	WS/NEUT	13.75 Gal
242 (Top)	LIQUID ORANGE OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	6	WS/NEUT	3.34 Gal
244 (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	27.50 Gal
245 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 1	X	N	X	X	X	Y 2	X	4	NEUT/FLM	5.00 Gal
246 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 3	X	N	X	X	X	Y 4	X	4	NEUT/FLM	3.75 Gal
247 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 5	X	N	X	X	X	Y 6	X	5	NEUT/FLM	1.25 Gal
250 (Top)	SOLID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	3.34 Gal
252 (Top)	SOLID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	6	WS/NEUT	3.34 Gal
257 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y 7	X	N	X	X	X	Y 8	X	4	WS/NEUT/FLM	55.00 Gal

1. FLOATS
3. FLOATS
5. FLOATS
7. SINKS

2. COMBUSTIBLE
4. COMBUSTIBLE
6. COMBUSTIBLE
8. COMBUSTIBLE

000106

000106

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:28
Date: 06/29/94
Page : 18

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
258 (Top)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	N	N	X	Y 1	X	14	WS/BASE/FLM	1.25 Gal
259 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y 2	X	N	X	X	X	Y 3	X	4	WS/NEUT/FLM	41.25 Gal
260 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 4	X	N	X	X	X	Y 5	X	7	NEUT/FLM	13.75 Gal
260 (Bottom)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	41.25 Gal
261 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	Y 6	X	5	WS/NEUT/FLM	55.00 Gal
262 (Top)	LIQUID COLORLESS CLEAR	X	Y 7	X	Y	X	Y	X	X	X	N	X	0	WATER REACTIVE	41.25 Gal
263 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y 8	X	N	X	X	X	Y 9	X	8	WS/NEUT/FLM	55.00 Gal
266 (Top)	SOLID WHITE OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	10	*	41.25 Gal
268 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 10	X	N	X	X	X	Y 11	X	4	NEUT/FLM	3.44 Gal
268 (Bottom)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	Y 12	X	4	WS/NEUT/FLM	10.31 Gal

= Bad Hazscan Category

1. COMBUSTIBLE
3. COMBUSTIBLE
5. COMBUSTIBLE
7. HEAT GENERATED
9. COMBUSTIBLE
1. COMBUSTIBLE

2. EMULSION
4. FLOATS
6. COMBUSTIBLE
8. EMULSION
10. FLOATS
12. COMBUSTIBLE

000107

000107

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:32
Date: 06/29/94
Page : 19

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
269 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	Y 1	X	5	WS/NEUT/FLM	6.68 Gal
270 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y 2	X	N	X	X	X	Y 3	X	8	WS/NEUT/FLM	0.00 Gal
273 (Top)	LIQUID ORANGE CLEAR	X	N	X	Y	X	N	X	X	X	Y 4	X	10	WS/NEUT/FLM	13.75 Gal
274 (Top)	LIQUID YELLOW CLEAR	X	N	X	N 5	X	N	X	X	X	Y 6	X	5	NEUT/FLM	13.75 Gal
275 (Top)	LIQUID BROWN CLEAR	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	27.50 Gal
276 (Top)	LIQUID BROWN CLOUDY	X	N	X	N 7	X	N	X	X	X	Y 8	X	6	NEUT/FLM	5.01 Gal
277 (Top)	LIQUID WHITE OPAQUE	X	N	X	Y	X	N	X	X	X	Y 9	X	7	WS/NEUT/FLM	13.75 Gal
278 (Top)	LIQUID BROWN OPAQUE	X	N	X	N	X	N	X	X	X	Y 10	X	5	NEUT/FLM	41.25 Gal
279 (Top)	LIQUID WHITE OPAQUE	X	N	X	Y	X	N	X	X	X	Y 11	X	6	WS/NEUT/FLM	55.00 Gal
281 (Top)	LIQUID YELLOW CLEAR	X	N	X	Y	X	N	N	N	N	Y 12	X	14	WS/BASE/FLM	2.50 Gal

1. COMBUSTIBLE
3. COMBUSTIBLE
5. FLOATS
7. FLOATS
9. COMBUSTIBLE
1. COMBUSTIBLE

2. EMULSION
4. COMBUSTIBLE
6. COMBUSTIBLE
8. COMBUSTIBLE
10. COMBUSTIBLE
12. COMBUSTIBLE

000108

000108

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:35
Date: 06/29/94
Page : 20

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
282 (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	N	N	X	Y 1	X	14	WS/BASE/FLM	5.00 Gal
284 (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	4	WS/NEUT/FLM	1.25 Gal
285 (Top)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	N	N	N	Y 2	X	14	WS/BASE/FLM	3.75 Gal
286 (Top)	SOLID BROWN OPAQUE	X	N	X	Y	X	N	N	N	X	N	X	10	WS/NEUT	0.00 Gal
287 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 3	X	N	X	X	X	Y 4	X	5	NEUT/FLM	13.75 Gal
287 (Bottom)	LIQUID WHITE OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	41.25 Gal
288 (Top)	LIQUID BLACK OPAQUE	X	N	X	N 5	X	N	X	X	X	Y 6	X	5	NEUT/FLM	0.00 Gal
289 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	N	N	X	Y 7	X	13	WS/BASE/FLM	3.34 Gal
290 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	55.00 Gal
292 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 8	X	Y	X	X	X	Y 9	X	5	NEUT/OX/FLM	27.50 Gal

1. COMBUSTIBLE
3. FLOATS
5. FLOATS
7. COMBUSTIBLE
9. COMBUSTIBLE

2. COMBUSTIBLE
4. COMBUSTIBLE
6. COMBUSTIBLE
8. FLOATS

000109

000109

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:37
Date: 06/29/94
Page : 21

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
293 (Top)	LIQUID YELLOW CLEAR	X	N	X	Y	X	N	X	X	X	N	X	4	WS/NEUT	0.00 Gal
294 (Top)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	X	X	X	Y 1	X	2	WS/ACID/FLM	0.84 Gal
294 (Bottom)	LIQUID BROWN OPAQUE	X	N	X	N 2	X	N	X	X	X	Y 3	X	2	ACID/FLM	2.51 Gal
296 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 4	X	N	X	X	X	Y 5	X	5	NEUT/FLM	27.50 Gal
297 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 6	X	N	X	X	X	Y 7	X	5	NEUT/FLM	10.31 Gal
297 (Bottom)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	30.94 Gal
298 (Top)	LIQUID BLACK OPAQUE	X	N	X	N 8	X	N	X	X	X	Y	X	4	NEUT/FLM	27.50 Gal
299 (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	5	WS/NEUT/FLM	0.00 Gal
300 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 9	X	N	X	X	X	Y	X	5	NEUT/FLM	5.01 Gal
302 (Top)	LIQUID BROWN OPAQUE	X	N	X	N 10	X	N	X	X	X	Y	X	6	NEUT/FLM	0.00 Gal

1. COMBUSTIBLE
3. COMBUSTIBLE
5. COMBUSTIBLE
7. COMBUSTIBLE
9. FLOATS

2. FLOATS
4. FLOATS
6. FLOATS
8. FLOATS
10. FLOATS

000110

000110

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:39
Date: 06/29/94
Page : 22

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
303 (Top)	LIQUID BLACK OPAQUE	X	N	X	N 1	X	N	X	X	X	Y	X	4	NEUT/FLM	0.00 Gal
304 (Top)	LIQUID BLACK OPAQUE	X	N	X	N 2	X	N	X	X	X	Y	X	4	NEUT/FLM	0.00 Gal
305 (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	Y 3	X	5	WS/NEUT/FLM	0.00 Gal
306 (Top)	LIQUID BLACK OPAQUE	X	N	X	N 4	X	N	X	X	X	Y	X	5	NEUT/FLM	0.00 Gal
309 (Top)	LIQUID BLACK OPAQUE	X	N	X	N 5	X	N	X	X	X	Y	X	6	NEUT/FLM	0.00 Gal
310 (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	5	WS/NEUT/FLM	0.00 Gal
311 (Top)	LIQUID BLACK OPAQUE	X	N	X	N 6	X	N	X	X	X	Y 7	X	6	NEUT/FLM	0.00 Gal
312 (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	0.00 Gal
313 (Top)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	4	WS/NEUT	0.00 Gal
314 (Top)	LIQUID BROWN CLEAR	X	N	X	Y	X	N	X	X	X	N	X	6	WS/NEUT	0.00 Gal

1. FLOATS
3. COMBUSTIBLE
5. FLOATS
7. COMBUSTIBLE

2. FLOATS
4. FLOATS
6. FLOATS

000111

000111

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:41
Date: 06/29/94
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um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per- oxide	Oxidizer	Sul- fide	Cya- nide	Chlor- ide	Flam- mable	PCBs	pH	Hazscan Category	Volume
315 (Top)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	5	WS/NEUT/FLM	0.00 Gal
316 (Top)	LIQUID YELLOW OPAQUE	X	N	X	N 1	X	N	X	X	X	Y	X	6	NEUT/FLM	0.00 Gal
319 (Top)	LIQUID COLORLESS CLEAR	X	N	X	Y	X	N	X	X	X	N	X	6	WS/NEUT	0.00 Gal
322 (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 2	X	N	X	X	X	Y 3	X	5	NEUT/FLM	5.00 Gal
323 (Top)	LIQUID YELLOW CLEAR	X	N	N	Y	X	N	X	X	X	N	X	5	WS/NEUT	55.00 Gal
324 (Top)	LIQUID GRAY OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	7	WS/NEUT	41.25 Gal
001T (Top)	LIQUID GREEN CLOUDY	X	N	N	Y	X	N	X	X	X	N	X	7	WS/NEUT	7000.00 Gal
003T (Top)	LIQUID GREEN CLOUDY	X	N	X	Y	X	N	N	N	X	N	X	10	WS/NEUT	4000.00 Gal
004T (Top)	LIQUID ORANGE OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	6	WS/NEUT	2500.00 Gal
005T (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 4	X	N	X	X	X	Y 5	X	1	ACID/FLM	72.50 Gal
005T (Bottom)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	1	WS/ACID/FLM	72.50 Gal

1. FLOATS
3. COMBUSTIBLE
5. COMBUSTIBLE

2. FLOATS
4. FLOATS

000112

000112

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:44
Date: 06/29/94
Page : 24

Drum Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
006T (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 1	X	N	X	X	X	Y 2	X	1	ACID/FLM	72.50 Gal
006T (Bottom)	LIQUID GRAY OPAQUE	X	N	X	Y	X	N	X	X	X	Y 3	X	1	WS/ACID/FLM	72.50 Gal
007T (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 4	X	N	X	X	X	Y 5	X	1	ACID/FLM	29.00 Gal
009T (Top)	LIQUID ORANGE OPAQUE	X	N	X	Y	X	X	X	X	X	N	X	6	WS/NEUT	1557.00 Gal
011T (Top)	LIQUID GREEN OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	73.00 Gal
012T (Top)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	X	X	X	Y 6	X	5	WS/NEUT/FLM	2250.00 Gal
014T (Top)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	5	WS/NEUT	2250.00 Gal
015T (Top)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	6	WS/NEUT	450.00 Gal
016T (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 7	X	N	X	X	X	Y	X	5	NEUT/FLM	0.00 Gal
016T (Bottom)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	5	WS/NEUT/FLM	0.00 Gal

1. FLOATS
3. COMBUSTIBLE
5. COMBUSTIBLE
7. FLOATS

2. COMBUSTIBLE
4. FLOATS
6. COMBUSTIBLE

000113

000113

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:46
Date: 06/29/94
Page : 25

um Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
021T (Top)	LIQUID BROWN OPAQUE	X	N	X	N 1	X	N	X	X	X	Y	X	7	NEUT/FLM	180.00 Gal
022T (Top)	LIQUID GREEN CLEAR	No hazscan information for this drum layer													1800.00 Gal
023T (Top)	LIQUID BROWN CLEAR	X	N	X	Y	X	N	N	N	X	N	X	14	WS/BASE	180.00 Gal
001U-A (Top)	LIQUID BROWN CLOUDY	X	N	X	N	X	N	X	X	X	Y 2	X	4	NEUT/FLM	NA
001U-A (Bottom)	LIQUID GREEN CLOUDY	X	N	X	Y	X	N	X	X	X	Y 3	X	4	WS/NEUT/FLM	NA
001U-B (Top)	LIQUID COLORLESS OPAQUE	X	N	X	Y	X	N	X	X	X	N	X	6	WS/NEUT	NA
002U-A (Top)	LIQUID BROWN OPAQUE	X	N	X	Y	X	N	X	X	X	Y 4	X	7	WS/NEUT/FLM	NA
002U-B (Top)	SLUDGE BLACK OPAQUE	X	N	X	N 5	X	N	X	X	X	Y 6	X	7	NEUT/FLM	NA
002U-B (Bottom)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	X	X	X	Y 7	X	7	WS/NEUT/FLM	NA
018T-A (Top)	LIQUID BLACK OPAQUE	X	N	X	Y 8	X	N	X	X	X	Y 9	X	7	WS/NEUT/FLM	1200.00 Gal

1. FLOATS
3. COMBUSTIBLE
5. FLOATS
7. COMBUSTIBLE
9. COMBUSTIBLE

2. COMBUSTIBLE
4. COMBUSTIBLE
6. COMBUSTIBLE
8. SLIGHT

000114

000114

Inventory of Drums(with tests)
for
ROBIN ROAD DRUM

Time: 15:40:49
Date: 06/29/94
Page : 26

rum Range : All Drums

Drum ID	Layer Description	Air Reac.	Water Reac.	Hex. Sol.	Water Sol.	Per-oxide	Oxidizer	Sul-fide	Cya-nide	Chlor-ide	Flam-mable	PCBs	pH	Hazscan Category	Volume
018T-B (Top)	LIQUID ORANGE OPAQUE	X	N	X	Y	X	N	X	X	X	Y 1	X	5	WS/NEUT/FLM	2250.00 Gal
019T-A (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	Y 2	X	6	WS/NEUT/FLM	5100.00 Gal
019T-B (Top)	LIQUID YELLOW CLEAR	X	N	X	Y	X	N	X	X	X	Y 3	X	8	WS/NEUT/FLM	2700.00 Gal
019T-C (Top)	LIQUID YELLOW CLEAR	X	N	X	Y	X	N	X	X	X	Y 4	X	8	WS/NEUT/FLM	1260.00 Gal
020T-A (Top)	LIQUID PURPLE OPAQUE	X	N	X	Y	X	N	X	X	X	Y 5	X	6	WS/NEUT/FLM	3120.00 Gal
020T-B (Top)	LIQUID YELLOW OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	6	WS/NEUT/FLM	600.00 Gal
020T-C (Top)	LIQUID BLACK OPAQUE	X	N	X	Y	X	N	X	X	X	Y	X	6	WS/NEUT/FLM	2400.00 Gal
020T-D (Top)	LIQUID YELLOW CLEAR	X	N	X	Y	X	N	X	X	X	Y 6	X	6	WS/NEUT/FLM	1200.00 Gal

Total Volume: 48327.31

1. COMBUSTIBLE
3. COMBUSTIBLE
5. COMBUSTIBLE

2. COMBUSTIBLE
4. COMBUSTIBLE
6. COMBUSTIBLE

000115

000115

ATTACHMENT - L

DRUM MARKINGS BY DRUM ID

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 1
Date: 06/29/94
Time: 15:44:28

Drum ID	Location	Chemical	Generator	Manufacturer	Misc
001	WAREHOUSE 1	ISOPROPANOL (99%) FLAMMABLE LIQUID UN 1219		DELTA DISTRIBUTORS, INC. 4291 PRO, SHREVEPORT, LA 71109 (318) 631-7474	
002	WAREHOUSE 1				
003	WAREHOUSE 1	ISOPROPANOL (99%)		DELTA DISTRIBUTORS, INC.	
004	WAREHOUSE 1				FLAMMABLE LIQUID
005	WAREHOUSE 1				
006	WAREHOUSE 1	PROPYLENE GLYCOL MONOETHYL ETHER UN 1993		MAT CHEMICALS, INC.	COMBUSTIBLE CHEMICAL
007	WAREHOUSE 1			EXXON	DRUM # 140 EXXON WASTE - BULGING
008	WAREHOUSE 1				
009	WAREHOUSE 1				COMBUSTIBLE LIQUID
010	WAREHOUSE 1	C-POLYMER RESIN SOLUTION			FLAMMABLE LIQUID
011	WAREHOUSE 1	RESIN SOLUTION (50% ETHANOL) PVP/VA E-335 COPOLYMER			FLAMMABLE LIQUID
012	WAREHOUSE 1			EXXON	EXXON WASTE - HANDWRITTEN
013	WAREHOUSE 1			EXXON	EXXON WASTE - HANDWRITTEN
014	WAREHOUSE 1	RMS-0967 NON HAZARDOUS		EXXON CHEMICAL (713) 870-7729	
015	WAREHOUSE 1	ALKYL AMINE		EXXON CHEMICAL	CORROSIVE LIQUID - UN 1760
016	WAREHOUSE 1	RMS-0967 NON HAZARDOUS		EXXON CHEMICAL	

000117

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 2
Date: 06/29/94
Time: 15:44:28

Drum ID	Location	Chemical	Generator	Manufacturer	Misc
017	WAREHOUSE 1	RMS-0967 NON HAZARDOUS		EXXON CHEMICAL CO. 8230 STEDMAN HOUSTON, TX 77029 (713) 870-7729	
018	WAREHOUSE 1	RMS-0967 NON HAZARDOUS		EXXON CHEMICAL CO.	
019	WAREHOUSE 1	RMS-0967 NON-HAZARDOUS		EXXON CHEMICAL CO.	
020	WAREHOUSE 1	ALKYL AMINE		EXXON CHEMICAL CO.	CORROSIVE LIQUID
021	WAREHOUSE 1	RMS-0967 NON-HAZARDOUS		EXXON CHEMICAL CO.	
022	WAREHOUSE 1	ECA 9584 - LIGHT POLYMER		FROM: EXXON CHEMICAL P.O. BOX 3272 HOUSTON, TX 77008	TO: GARLAND SMITH DIAMOND INDUSTRIES
023	WAREHOUSE 1	ECA 9584 - LIGHT POLYMER		FROM: EXXON CHEMICAL AMERICA P.O. BOX 3272 HOUSTON, TX 77008	TO: GARLAND SMITH DIAMOND INDUSTRIES
024	WAREHOUSE 1				
025	WAREHOUSE 1				
026	WAREHOUSE 1				
027	WAREHOUSE 1				
028	WAREHOUSE 1				
029	WAREHOUSE 1	ISOPROPANOL (99%) UN 1219		DELTA DISTRIBUTORS, INC. 4201 PRO SHREVEPORT, LA 71109	FLAMMABLE LIQUID
030	WAREHOUSE 1	ALKYL BENZENE		MONSANTO CHEMICAL	

000118

000118

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 3
Date: 06/29/94
Time: 15:44:28

Drum ID	Location	Chemical	Generator	Manufacturer	Misc
031	WAREHOUSE 1	ECHO STRIP BA 90-3-LRX 9/19/92			
032	WAREHOUSE 1				
033	WAREHOUSE 1				
034	WAREHOUSE 1				
035	WAREHOUSE 1				
036	WAREHOUSE 1				
037	WAREHOUSE 1				
038	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60 NOTE: THE CONSISTENCY OF THE MATERIALS IN THESE DRUMS RANGES FROM GEL LIKE TO SOLID AND SO DOES ITS WATER SOLUBILITY (GREATER OR LESS). ALL CONTENTS ARE NON-SOLUBLE.
039	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
040	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
041	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
042	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
043	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
044	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
045	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
046	WAREHOUSE 1			BAKING AMERICAN ANAMEL - HANDWRITTEN	SAME MATERIAL AS IN DRUMS 38 - 60

000119

000119

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 4
Date: 06/29/94
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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
047	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
048	WAREHOUSE 1			BAKING AMERICAN ENAMEL - HANDWRITTEN	SAME MATERIAL AS IN DRUMS 38 - 60
049	WAREHOUSE 1			BAKING AMERICAN ENAMEL	SAME MATERIAL AS IN DRUMS 38 - 60
050	WAREHOUSE 1			BAKING AMERICAN ENAMEL	SAME MATERIAL AS IN DRUMS 38 - 60
051	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
052	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
053	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
054	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 38 - 60
055	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 35 - 60
056	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 35 - 60
057	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 35 - 60
058	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 35 - 60
059	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 35 - 60
060	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 35 - 60
061	WAREHOUSE 1				
062	WAREHOUSE 1				
063	WAREHOUSE 1				
064	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 64 - 66
065	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 64 - 66

000120

000120

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 5
Date: 06/29/94
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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
066	WAREHOUSE 1				SAME MATERIAL AS IN DRUMS 64 - 66
067	WAREHOUSE 1				TRASH
068	WAREHOUSE 1				
069	WAREHOUSE 1				
070	WAREHOUSE 1				
071	WAREHOUSE 1				
072	WAREHOUSE 1	INK - HEALTH RATING LABEL		WILPAK PLASTICS, INC. 250 KING MANOR DR. KING OF PRUSSIA, PA 1 19406	
073	WAREHOUSE 1				
074	WAREHOUSE 1				
075	WAREHOUSE 1				
076	WAREHOUSE 1				
077	WAREHOUSE 1				
078	WAREHOUSE 1			ANJA ENGINEERING CORP 1017 S. MONROVIA AVE. MONROVIA, CA	HEALTH RATING LABEL - H = 1; F = 0; R=0
079	WAREHOUSE 1			WILPAK PLASTIC, INC	
080	WAREHOUSE 1			WILPAK PLASTIC, INC.	
081	WAREHOUSE 1			WILPAK PLASTIC, INC	
082	WAREHOUSE 1			ANJA ENGINEERING CORP.	HEALTH RATING LABEL - H = 1; F = 0

000121

000121

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 6
Date: 06/29/94
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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
083	WAREHOUSE 1				
084	WAREHOUSE 1				
085	WAREHOUSE 1				
086	WAREHOUSE 1				
087	WAREHOUSE 1				
088	WAREHOUSE 1				
089	WAREHOUSE 1			ANJA ENGINEERING CORP.	HEALTH RATING LABEL - H = 1; F = 0
090	WAREHOUSE 1				
091	WAREHOUSE 1	M&T 21 CATALYST (ANTIMONY TRIACETATE)			CORROSIVE
092	WAREHOUSE 1				
093	WAREHOUSE 1				
094	WAREHOUSE 1				
095	WAREHOUSE 1				
096	WAREHOUSE 1				
097	WAREHOUSE 1				
098	WAREHOUSE 1				
099	WAREHOUSE 1				
100	WAREHOUSE 1				
101	WAREHOUSE 1				

000122

000122

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 7
Date: 06/29/94
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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
102	WAREHOUSE 1	TRASH			
103	WAREHOUSE 1			DELTA DISTRIBUTORS, INC.	FLAMMABLE LIQUID
104	WAREHOUSE 1				
105	WAREHOUSE 1	PERFECTO VEGETABLE OIL		LOU-ANA FOODS, INC.	
106	WAREHOUSE 1				CORROSIVE LABEL
107	WAREHOUSE 1				
108	WAREHOUSE 1			NATURAL GAS ODORIZING, INC. BAYTOWN, TX	FLAMMABLE MIXTURE
109	WAREHOUSE 1	M&T S-21 CATALYST			
110	WAREHOUSE 1				
111	WAREHOUSE 1				
112	WAREHOUSE 1				
113	WAREHOUSE 1				
114	WAREHOUSE 1				
115	WAREHOUSE 1				
116	WAREHOUSE 1				
117	WAREHOUSE 1	M&T S-21 CATALYST			CORROSIVE LIQUID - UN 1759
118	WAREHOUSE 1				
119	WAREHOUSE 1				
120	WAREHOUSE 1				

000123

000123

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 8
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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
121	WAREHOUSE 1	SULFURIC ACID		SHIPPLE CHEMICAL	
122	WAREHOUSE 1				
123	WAREHOUSE 1	PETROLEUM NAPHTA - UN 1255		PHIBRO USA	
124	WAREHOUSE 1	PETROLEUM DISTILLATE - UN 1255			
126	WAREHOUSE 1	UN 1268 PRODUCT N.A.D.		DUPONT ORANGE TX	
127	WAREHOUSE 1				
128	WAREHOUSE 1			COASTAL GULF AND INT. INC. 602 RIVER RD CULLING, CA 70070	
129	WAREHOUSE 1				
130	WAREHOUSE 1				
131	WAREHOUSE 1				
132	WAREHOUSE 1				
133	WAREHOUSE 1			SAMPLE FROM CROWN PETROLEUM PASADENA, TX 1/30/92	
134	WAREHOUSE 1	GULF GUARD SUP-RFINE PAINTS		SAN JACINTO PAINT MAN.	DRIED PAINT
135	WAREHOUSE 1				1/31/92
136	WAREHOUSE 1	DELO SAE 40		CHEVRON	
138	WAREHOUSE 1	SLURRY OIL		STONE OIL HOUSTON	NON SAMPLED
139	WAREHOUSE 1			SUPER-R-FINE PAINT	

000124

000124

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 9
Date: 06/29/94
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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
140	WAREHOUSE 1				
141	WAREHOUSE 1				
142	WAREHOUSE 1				
143	WAREHOUSE 1	SAMPLE NAPHTA			
144	WAREHOUSE 1	THIN ALL - PAINT THINNER			
145	WAREHOUSE 1	ANTIFREEZE			
146	WAREHOUSE 1	USED OIL			NOT SAMPLED
147	WAREHOUSE 1	ANTIFREEZE			NOT SAMPLED
148	WAREHOUSE 1	RECOVERED STYRENE UN 2055 FLAMMABLE LIQUID		BOTE ATTN TOM BLAKE	
149	WAREHOUSE 1	ALKYLATE H-30		MONSANTO	UNOPENED - NOT SAMPLED
150	WAREHOUSE 1	NAPHTA, UN 1255		DIAMOND RESOURCES HOUSTON, TEXAS	
151	WAREHOUSE 1	ALKYLATE H-30		MONSANTO	NEVER OPENED, NOT SAMPLED
152	WAREHOUSE 1	NAPHTA		DOW CHEMICAL FREEPORT, TX	FLAMMABLE LIQUID N.O.S.
153	WAREHOUSE 1				NOT SAMPLED
154	WAREHOUSE 1	ETHYL OIL			FLAMMABLE LIQUID
155	WAREHOUSE 1	HEAVY AROMATIC DISTILLATE			NOT SAMPLED
156	SOUTH BAY				

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000125

157 SOUTH BAY

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
158	SOUTH BAY			ARISTOMATE	
159	SOUTH BAY				
160	SOUTH BAY				
161	SOUTH BAY				FLAMMABLE LIQUID
162	SOUTH BAY				
163	SOUTH BAY	VISDM-100M		GE SILICONS 6710 CADILLAC ST. HOUSTON, TX 77021	NEVER OPEN
164	SOUTH BAY				
165	SOUTH BAY	QUIK 372 - PAINT REMOVER		TITAN CORPORATION	
166	SOUTH BAY			TITAN CHEMICAL CORP.	
167	SOUTH BAY				
168	SOUTH BAY				TRASH
169	SOUTH BAY			TITAN CORP.	
170	OUTDOORS				
171	SOUTH BAY				
172	SOUTH BAY			MCKESSON	
173	SOUTH BAY				
174	SOUTH BAY	DAPRO W-7 - INTERFACIAL TENSION MODIFIER		DANIEL PRODUCTS CO.	

000126

000126

175 OUTDOORS

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
176	SOUTH BAY				
177	SOUTH BAY	207 - RED INK 3/21/90			
178	SOUTH BAY	M&T S-21 CATALYST CORROSIVE UN 1759		M&T AUTOCHEM	
179	SOUTH BAY				WHITE MATERIAL - LEAKING
180	SOUTH BAY				
181	SOUTH BAY	BALL PEN INK		SCRIPTO	
182	SOUTH BAY	BLACK INK			
183	SOUTH BAY				CANNOT OPEN
184	SOUTH BAY				
185	SOUTH BAY				
186	SOUTH BAY			TEXACO	
187	SOUTH BAY	UPI RED INK # 4623			
188	SOUTH BAY	904 GREASE		TEXACO	
189	SOUTH BAY	904 GREASE		TEXACO	
190	SOUTH BAY	904 GREASE		TEXACO	
191	SOUTH BAY				
192	SOUTH BAY			WILPAK PLASTIC, INC. 250 KING MANOR DR. KING OF PRUSSIA, PA 19405	

000127

000127

193 SOUTH BAY

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
194	OUTDOORS				
195	OUTDOORS				
196	SOUTH BAY				
197	SOUTH BAY				
198	SOUTH BAY	PETROLEUM DISTILLATES		CHEMCENTRAL/HOUSTON	COMBUSTIBLE
199	SOUTH BAY	904 GREASE		TEXACO	
200	SOUTH BAY	BALL PEN INK		SCRIPTO	
201	SOUTH BAY				
202	SOUTH BAY				WATER + TRASH
203	SOUTH BAY				2" OF WATER ON TOP
204	SOUTH BAY				
205	SOUTH BAY				
206	SOUTH BAY	SUPERSET NO HEAT WEB OFFST INK		SUN CHEMICAL CO.	
207	SOUTH BAY				WARNING: CONTAINS ORGANICS THAT MAY CAUSE SKIN IRRITATION, EYE IRRITATION
208	SOUTH BAY				
209	SOUTH BAY				
210	SOUTH BAY				
211	SOUTH BAY				

000128

212 SOUTH BAY

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
213	SOUTH BAY			RYCOLING	
214	SOUTH BAY				
215	SOUTH BAY				
216	SOUTH BAY				
217	SOUTH BAY				
218	SOUTH BAY				
219	SOUTH BAY				
220	SOUTH BAY				
221	SOUTH BAY				
222	SOUTH BAY				
223	SOUTH BAY			GPI INKS GENERAL PRINTING - SUN CHEM CORP	
224	SOUTH BAY				
225	SOUTH BAY			RYCOLINE - WEST HIGHWAY, CHICAGO ILL 60630 - 1800-621-0156	
226	SOUTH BAY	YELLOW INK # 4116			
227	SOUTH BAY				
228	SOUTH BAY	WHITE COATING FPP-013			
229	SOUTH BAY				
230	SOUTH BAY				

000129

000129

231 SOUTH BAY

UNABLE TO OPEN

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
232	SOUTH BAY				
233	SOUTH BAY				
234	SOUTH BAY				UNABLE TO OPEN
235	SOUTH BAY				
236	SOUTH BAY				
237	SOUTH BAY	BROWN INK # 4143			
238	SOUTH BAY				
239	SOUTH BAY				
240	SOUTH BAY	NUTO H 100		EXXON P.O. BOX 2180, HOUSTON	
241	SOUTH BAY	RED INK # 4189			
242	SOUTH BAY	NUTO H 100		EXXON - P.O. BOX 2180, HOUSTON	SAME AS 240 (DOUBLE NUMBERED)
243	SOUTH BAY			TEXACO LUBRICANTS, HOUSTON	
244	SOUTH BAY	RED INK # 4356			
245	SOUTH BAY				
246	SOUTH BAY				
247	SOUTH BAY				
248	SOUTH BAY				
249	WAREHOUSE 2				
250	WAREHOUSE 2				

000130

000130

251 WAREHOUSE 2

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
252	WAREHOUSE 2				
253	WAREHOUSE 2				
254	WAREHOUSE 2	SPT-000330-R VANDOR DEGREASER FREON			BULGING = NOT SAMPLED
255	WAREHOUSE 2				
256	WAREHOUSE 2	SPT-000330-R VANDOR DEGREASER FREON			BULGING = NOT SAMPLED
257	WAREHOUSE 2			NATIONAL CLEANER	
258	WAREHOUSE 2	M&T S-21 CATALYST (ANTIMONY TRIACETATE) CORROSIVE SOLID N.O.S. UN 1 1758			
259	WAREHOUSE 2	GENESOLVE			
260	WAREHOUSE 2			SCHLUMBERGER	
261	WAREHOUSE 2	CODE 115			
262	WAREHOUSE 2	SULFURIC ACID			
263	WAREHOUSE 2	TRICHLOROETHENE			
264	WAREHOUSE 2	M&T S-21 CATALYST (ANTIMONY TRIACETATE) CORROSIVE SOLID N.O.S. UN 1 1758			
265	WAREHOUSE 2				

000131

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
266	WAREHOUSE 2	RED OXIDE PRIMER 071292 AMERICAN AK 3000			
267	WAREHOUSE 2				
268	WAREHOUSE 2	WASTE OIL			
269	WAREHOUSE 2				
270	WAREHOUSE 2	TRICHLOROTRIFLUOROETHENE ACETONE HEXANE NITROMETHENE		GENSOLVE	
271	WAREHOUSE 2	SPT 000_____N			
273	WAREHOUSE 2				
274	WAREHOUSE 2				
275	WAREHOUSE 2	DEXRON TEXAS 11003		TEXACO	
276	WAREHOUSE 2				
277	WAREHOUSE 2				
278	WAREHOUSE 2				
279	WAREHOUSE 2				
280	WAREHOUSE 2				TRASH
281	WAREHOUSE 2				
282	WAREHOUSE 2				
283	WAREHOUSE 2				TRASH
284	WAREHOUSE 2				

000132

000132

285

WAREHOUSE 2

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
286	WAREHOUSE 2	M&T S-21 CATALYST (ANTIMONY TRIACETATE) CORROSIVE LIQUID N.O.S. UN 1758 CAS# 6923-52-0			
287	WAREHOUSE 2	TRANSLUTEX G			
288	WAREHOUSE 2				
289	WAREHOUSE 3	OCTAKLEEN		OCTAGON PROCESS INC. 596 RIVER RD EDGEWATER NJ 07020	
290	WAREHOUSE 3				
291	WAREHOUSE 3	HYDROGENATED DISTILLATED NAPHTHETIC		TELLUS OIL	
292	WAREHOUSE 3				
293	WAREHOUSE 3	TRANSLUTEX G		TEXACO	TRANSPARENT HEAVY DUTY ACTIVE SULFUR CUT OIL
294	WAREHOUSE 3				
295	WAREHOUSE 3				
296	WAREHOUSE 3				
297	WAREHOUSE 3				
298	WAREHOUSE 3	FORMULA COAT 502		TITAN CHEMICAL CORP	
299	WAREHOUSE 3	REICHOLD FLAMMABLE LIQUID - KELSOL		REICHOLD - RESEARCH TRIANGLE PARK NC 27704	

000133

000133

000

WAREHOUSE 3

Drum Markings by Drum ID
ROBIN ROAD DRUM
All DrumsPage No: 18
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Time: 15:44:28

Drum ID	Location	Chemical	Generator	Manufacturer	Misc
301	WAREHOUSE 3				
302	WAREHOUSE 3				
303	WAREHOUSE 3				
304	WAREHOUSE 3				
305	WAREHOUSE 3				
306	WAREHOUSE 3				
307	WAREHOUSE 3				
308	WAREHOUSE 3				
309	WAREHOUSE 3				
310	WAREHOUSE 3				
311	OUTDOORS				
312	OUTDOORS				
313	OUTDOORS				
314	OUTDOORS				
315	OUTDOORS	ISOPROPYL ALCOHOL		WATER AND ROGERS IND	
316	OUTDOORS				COMBUSTIBLE LIQUID
317	OUTDOORS				TRASH
318	OUTDOORS				TRASH AND RAGS
319	OUTDOORS				

000134

000134

20 OUTDOORS CATALYST

PETCAT ATA

CORROSIVE

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 19
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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
---------	----------	----------	-----------	--------------	------

21	OUTDOORS				
----	----------	--	--	--	--

22	SOUTH BAY				
----	-----------	--	--	--	--

23	OUTDOORS				
----	----------	--	--	--	--

24	OUTDOORS				
----	----------	--	--	--	--

001T	OUTDOORS	FUEL-OIL			
------	----------	----------	--	--	--

002T	OUTDOORS	FUEL OIL			
------	----------	----------	--	--	--

THIS TANK CONTAINED LESS THAN 2" OF
MATERIAL. AND WAS NOT SAMPLED

003T	OUTDOORS	FUEL OIL			
------	----------	----------	--	--	--

004T	OUTDOORS	FUEL OIL			
------	----------	----------	--	--	--

005T	OUTDOORS	FUEL OIL			
------	----------	----------	--	--	--

006T	OUTDOORS	FUEL OIL			
------	----------	----------	--	--	--

007T	OUTDOORS				
------	----------	--	--	--	--

008T	OUTDOORS				
------	----------	--	--	--	--

009T	OUTDOORS				
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010T	OUTDOORS				
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011T	OUTDOORS				
------	----------	--	--	--	--

012T	OUTDOORS				
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013T	OUTDOORS				
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014T	OUTDOORS				
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000135

000135

015T OUTDOORS

Drum Markings by Drum ID

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All Drums

Drum ID	Location	Chemical	Generator	Manufacturer	Misc
016T	OUTDOORS				
017T	OUTDOORS				
021T	OUTDOORS				
022T	OUTDOORS				
023T	WAREHOUSE 2				
272A	WAREHOUSE 2	1658 RANDO OIL HD46 TX12123		TEXACO	
272B	WAREHOUSE 2	D786 SOLUBLE OIL D		TEXACO	
001U-A	OUTDOORS				THE VOLUME OF THIS PORTION OF UNDERGROUND STORAGE TANK # 1 COULD NOT BE DETERMINED. IT IS 10 FT. DEEP AND CONTAINS APPROXIMATELY 4 FT. OF PRODUCT.
001U-B	OUTDOORS				THE VOLUME OF THIS PORTION OF UNDERGROUND STORAGE TANK # 1 COULD NOT BE DETERMINED IT IS 10 FT DEEP AND IS FULL.
002U-A	OUTDOORS				THE VOLUME OF THIS PORTION OF UNDERGROUND STORAGE TANK # 2 COULD NOT BE DETERMINED. THE TANK IS ABOUT 10 FT. DEEP AND CONTAINS 8 FT. OF PRODUCT.
002U-B	OUTDOORS				THE VOLUME OF THIS COMPARTMENT OF UNDERGROUND STORGAGE TANK # 2 COULD NOT BE DETERMINED. IT IS ABOUT 10 FT. DEEP AND CONTAINS 8 FT. OF PRODUCT.
002U-C	OUTDOORS				THE VOLUME OF THIS COMPARTEMENT OF UNDERGROUND STORAGE TANK # 2 IS UNKNOWN.
018T-A	OUTDOORS				

000136

018T-B OUTDOORS

Drum Markings by Drum ID
ROBIN ROAD DRUM
All Drums

Page No: 21
Date: 06/29/94
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Drum ID	Location	Chemical	Generator	Manufacturer	Misc
019T-A	OUTDOORS				
019T-B	OUTDOORS				THIN LAYER OF BLACK SLUDGE ON TOP
019T-C	OUTDOORS				
020T-A	OUTDOORS				
020T-B	OUTDOORS				THIN LAYER OF BLACK SLUDGE ON TOP
020T-C	OUTDOORS				
020T-D	OUTDOORS				

Total Number of Drums: 357

000137

000137

ATTACHMENT - M

ORIGINAL FIELD SCREENING DATA (Houston File)

ATTACHMENT - N

CONSENT FOR ACCESS TO PROPERTY LETTER

07/09/94 16:14

17138710355

E & E HOUSTON

0002/002



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10823 FALLSTONE RD.
HOUSTON, TEXAS 77039

CONSENT FOR ACCESS TO PROPERTY

NAME: Peter Matienzo

ADDRESS OF PROPERTY: Mat Chem, Inc.
12233 Robin Rd
Houston, Texas

I consent to officers, employees, and authorized representatives of the United States Environmental Protection Agency (EPA) entering and having continued access to my property for the following purposes:

the collection of such soil, water, air samples as may be necessary;

other actions related to the investigation of surface or subsurface conditions;

the taking of a response action necessary to mitigate any threat to human health and the environment;

I realize that these actions by EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act (Superfund), 42 U.S.C. Section 9601 et seq.

As owner of the property, this written permission is given by me voluntarily with knowledge of my right to refuse access and without threats or promises of any kind.

6/10/94
Date

P. Matienzo, President
Signature
RTM International

ATTACHMENT - O
RECORDS OF COMMUNICATION

RECORD OF COMMUNICATION

Conversation with:

Date 6/9/94
(Mo) (Day) (Year)

Name WARREN ZEHNER

Time 1:45 AM/PM

Address EPA

☐ Originator Placed Call

☒ Originator Received Call

Phone 713 - 635-2901

(Area Code) (Number)

TDD#

PAN#

Subject MAT CHEM, INC. SITE

Discussion:

OSC verbal tasking for Mat Chem, Inc. site:

PRP = Peter Matienzo

P.O. Box 171566

Hialeah, FL 33017-1566

PH: (305) 829-9606

} company = PJM International
(in Florida)

Site = Mat Chem, Inc.

12233 Robin (Cross street
Alameda-Benosa)

Houston, TX

} Old fuels blending facility
~ 200 deteriorating drums
several ASTs w/ liquid

Activity to date = ① Steve Wells, EPA-CID (713) 227-1882
has done recon & photodoc. Says heavy
fumes and vapors smelled

② City of Houston issued written violation
notice to PRP

over

Follow-Up-Action:

Originator's Signature:

Sanjivier Shields

(RWG 6/90)

VERBATIM TASKING CHECKLIST/ROC

DATE: 6-9-94 E & E HOTLINE CONTACT: _____

CONVERSATION BETWEEN: J. SHIELDS & W. ZEHNER

ASSIGNED PROJECT OSC: W. ZEHNER TAT PM: M. GOMEZ

SITE / PROJECT NAME

MAT CHEM, INC.

NEAREST CITY, COUNTY/PARISH, STATE

HOUSTON/HARRIS/TX

SITUATION / TASKS: SITE ASSESSMENT FOR CRIMINAL ENFORCEMENT

- | | |
|--|---|
| <p>1. DO DRIVEBY ON 6-10-94</p> <p>2. GET VERBAL / WRITTEN SITE ACCESS</p> <p>3. DURING WEEK 6-13-94:</p> <p style="margin-left: 20px;">a. INVENTORY ALL DRUMS/TANKS & DOCUMENT LABELS</p> <p style="margin-left: 20px;">b. SAMPLE SELECTED DRUMS BASED ON HAZCAT RESULTS & ENFORCEMENT NEED</p> <p style="margin-left: 20px;">c. PHOTODOC. ALL ACTIVITIES</p> | <p>3.d. ASSIST CTD WITH ENFORCEMENT SAMPLING</p> <p>4. UPDATE OSC BY PHONE & POLREP</p> |
|--|---|

SPECIFIC LOCATION/DIRECTIONS:

12233 ROBIN
HOUSTON, TX

CROSS ROAD = ALMÉDA-GENOA

INVOLVED PARTIES & PHONE #s:

PRP = PETER MATIENEZO
P.O. BOX 171566
HALEAH, FL 33017-1566

(305) 829-9409
COMPANY = PJM INTERNATIONAL

APPLICABLE CGST/HOURS/DATE INFORMATION:

RESPONSE OPTION:

- | | |
|---|--|
| <p><input checked="" type="checkbox"/> 1) One TAT - remote observation/reporting only <u>6-10-94</u></p> <p><input type="checkbox"/> 2) One TAT - entry/sampling prepared, with qualified non-TAT personnel</p> | <p><input type="checkbox"/> 3) Standard Level C</p> <p><input checked="" type="checkbox"/> 4) Standard Level B</p> |
|---|--|

FUND SOURCE:

☒ CERCLA ☐ OPA ☐ Pre-Remedial (CERCLA)

ACTIVITY TYPE:

- | | | | |
|---|--|--|--|
| <p><input type="checkbox"/> SPCC</p> <p><input type="checkbox"/> On-Scenes Monitoring</p> <p><input type="checkbox"/> Spill Clean-up Funded</p> | <p><input checked="" type="checkbox"/> Site Assessment</p> <p><input type="checkbox"/> Removal Funded</p> <p><input type="checkbox"/> Removal PRP</p> <p><input type="checkbox"/> On-Site Monitoring</p> | <p><input type="checkbox"/> Special Project</p> <p><input type="checkbox"/> Analytical Project</p> <p><input type="checkbox"/> Corp. Spec. Project</p> <p><input type="checkbox"/> Preparedness</p> <p><input type="checkbox"/> UST</p> <p><input type="checkbox"/> FEMA</p> | <p><input type="checkbox"/> Quality Assurance</p> <p><input type="checkbox"/> Training</p> <p><input type="checkbox"/> Program Mngmnt.</p> <p><input type="checkbox"/> Technical Assistance</p> <p><input type="checkbox"/> Info Mngmnt.</p> |
|---|--|--|--|

REPORTED TO EPA BY:

☐ NRC ☐ State Agency _____ ☒ Other EPA-CID

☐ Citizen ☐ Local Authority _____

RECORD OF COMMUNICATION

Conversation With:

Date: 6/9/94
(Month) (Day) (Year)

Name: Peter Matienzo

Time: 1355 AM/PM

Address: P.O. Box 171566

☒ Originator Placed Call

Hialeah, FL 33017-1566

☐ Originator Received Call

Phone: (305)-829-9609

☐ Meeting at _____

Subject: Access to Mat Chem

TDD #: 786-9406-000

PAN: ETX15105AA

Discussion:

TAT introduced ~~himself~~ himself and requested access to the Mat Chem property. TAT is to fax agreement for Mr. Matienzo's signature.

He may not fax it back today, his lawyer needs to look at it.

TAT requested verbal access, Mr. Matienzo gave it.

Follow - Up - Action:

Fax Access Agreement

MARIANO GOMEZ

(Print Originator's Name)



(Originator's Signature)



ecology and environment, inc.

RECORD OF COMMUNICATION

Conversation With:

Date: 6/9/94
(Month) (Day) (Year)

Name: Warren Zehner

Time: 1600 AM/PM

Address: EPA OSC

☒ Originator Placed Call

☐ Originator Received Call

Phone: (713) - 635 - 2901

☐ Meeting at _____

Subject: Mat Chem, Inc.

TDD #: T06-4406-006

PAN: ETX15105AA

Discussion:

-TAT informed OSC that a TDD had been drafted for the Mat-Chem site, if he would like to review it. -Tas also mentions that he wants TAT's assessment of the situation after 6/10/94 drive by.

-He wants interaction with CTD and TNRCC.

Follow - Up - Action:

Fax draft TDD, TDD OK'd

Marian Gomez
(Print Originator's Name)

[Signature]
(Originator's Signature)



ecology and environment, inc.



RD OF COMMUNICATION

Conversation With:

Date: 6/14/94

(Month) (Day) (Year)

Name: WARREN Zehner

Time: 1:00 AM/PM

Address: US EPA

☒ Originator Placed Call

☐ Originator Received Call

Phone: (713) 635 2901

☐ Meeting at _____

Subject: Mat Clem

TDD #: 706-9406-066

PAN: ETX15103AA

Discussion:

- TAT asked OSC on extent of sampling at site.
- OSC wants all drums and tanks sampled so the CTD may have ample choice.
- TAT informed OSC of the rental of man lift and air, he agreed.
- OSC also informed of TAT's plan to sample on 6/16/94

Follow - Up - Action:

Procure air and manlift. (Beeson)

Mariano Gomez
(Print Originator's Name)

Mariano Gomez
(Originator's Signature)



ecology and environment, inc.

RECORD OF COMMUNICATION

Conversation With:

Name: Steve Wells

Address: EPA C11

Phone: (713) - 2271882

Subject: Mat Chen Site

Date: 6/14/94
(Month) (Day) (Year)

Time: 1410 AM/PM

☒ Originator Placed Call

☐ Originator Received Call

☐ Meeting at _____

TDD #: TOG-9406-006

PAN: ETX15105AA


Discussion:

- TAT informed Mr. Wells that sampling will not take place until 6/16/94.
- TAT informed Mr. Wells that a manlift had been procured for the tank sampling. TAT wanted to know if samples for lab analysis could be pulled on 6/16/94.
- S. Wells said no because he still has to sort the paperwork.
- He will be on-site on 6/16/94.

Follow - Up - Action:

Mariano Gomez
(Print Originator's Name)


(Originator's Signature)

 ecology and environment, inc.

REC RD OF COMMUNICATION

Conversation With:

Date: 06/27/94
(Month) (Day) (Year)

Name: S Wells

Time: 1406 AM/PM

Address: EPA CID

☒ Originator Placed Call

☐ Originator Received Call

Phone: (713)-2271883

☐ Meeting at _____

Subject: Robin Road

TDD #: 706-9406-006

PAN: ETX15105AA

Discussion:

-TAT called S Wells to inform him of the 4 drums that were unstacked at the site. This was the only apparent change. TAT also informed him of the delivery of a forklift by Prime Equipment to the site on 6/17/94. Mr. Wells will contact Prime equipment for further information. S Wells wants TAT to reinventory the site, containers to check if any were ~~one~~ taken over the weekend.

Follow - Up - Action:

M. Gomez
(Print Originator's Name)

M. Gomez
(Originator's Signature)



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ecology and environment, inc.

4801 WOODWAY, 280 WEST, HOUSTON, TEXAS 77056, TEL. (713) 871-9460
International Specialists in the Environment

FAX: (713) 871-0355

Telecopier Transmission Form

FAX: (713) 871-0355

Date:

6/27/94

Time:

1315

Project Code # (PAN):

ET2001 ETX15105AA

Total Number of Pages:

(Including Transmission Form) 2

To:

ON-duty Red Phone Operator

Company:

EPA Dallas

Telecopier Phone #:

1 214 655 7447

From:

MARIANO GOMEZ

Special Instructions / Messages:

Please call me if you have any
questions.

Thanks

DATE: June 27, 1994
FROM: Warren Zehner, OSC
TO: On-duty Red Phone Operator, Region 6
SUBJ: Newly posted "NO TRESPASSING" sign at the Robin Street
Drum Site (Mat Chem Inc.)

At the request of Steve Wells, Chief Investigator for the EPA-CID in Houston, Houston TAT has posted an EPA no trespassing sign at the gate of the Robin Road Site (Mat Chem Inc.) located in Houston, Harris County, Texas. This sign provides the red phone number for questions.

The site is currently under EPA-CID investigation and all pressing questions should be directed to S. Wells in Houston at (713) 227-1882.

RD OF COMMUNICATION

Conversation With:

Date: 06/28/94
(Month) (Day) (Year)

Name: Steve Wells / Keith Phillips

Time: 1530 AM/PM

Address: EPA CTD

☐ Originator Placed Call

☒ Originator Received Call

Phone: (713) 227 1882

☐ Meeting at _____

Subject: NAT Cheng / Robin Reed
SIL

TDD #: 706-9486-006

PAN: ETX15105AA

Discussion:

- EPA CTD personnel asked FAT questions concerning the hazard data - Flammability, is combustibility, etc.

- TAT will forward all other information to them ASAP.

- Sampling will take place after the 4th of July weekend

Follow - Up - Action:

complete hazard data

M Gomez

(Print Originator's Name)

[Signature]
(Originator's Signature)



ecology and environment, inc.

RECORD OF COMMUNICATION

Conversation With:

Date: 7/12/94
(Month) (Day) (Year)

Name: S. Wells

Time: 1040 AM/PM

Address: EPA CID

☒ Originator Placed Call

☐ Originator Received Call

Phone: (713)-227-1882

☐ Meeting at _____

Subject: MAT Chem/Robin Rd
Thru Site

TDD #: T06-9406-006

PAN: ETX15105AA

Discussion:

- TAT contacted S Wells to obtain information on enforcement sampling at the Robin Rd Site.

- S Wells foresees sampling to take place sometime during the week of 7/11/94 - 7/15/94.

- TAT request advanced notice to schedule personnel and procure equipment.

- S Wells will contact TAT next week with specific dates.

Follow - Up - Action:

Update Sampling Plan for soil/sediment sampling

M Gomez

(Print Originator's Name)

M Gomez

(Originator's Signature)



ecology and environment, inc.

RECORD OF COMMUNICATION

Conversation With:

Date: 7 / 11 / 94
(Month) (Day) (Year)

Name: Warren Zehner

Time: 1400 AM/PM

Address: EPA-DSC

☐ Originator Placed Call

☒ Originator Received Call

Phone: (713) - 635,2901

☐ Meeting at _____

Subject: Robin Road Drum

TDD #: T06-9406-006

PAN: ETX15105AA

Discussion:

DSC Zehner told TAT that S. Wells from EPA-CID wanted to sample about 30 drums/tanks at the Robin Road facility. He was not sure on which drums or what analysis was to be done. He said NEIC had requested 3-802 sample jars. His best guess was that RCRA characteristics would be the analysis requested.

He requested TAT to contact S. Wells and get further information.

Follow - Up - Action:

Contact S. Wells

Mariano Gomez

(Print Originator's Name)



(Originator's Signature)



ecology and environment, inc.

RECORD OF COMMUNICATION

Conversation With:

Date: 7/11/94
(Month) (Day) (Year)

Name: S. Wells

Time: 1410 AM/PM

Address: EPA-CID

☒ Originator Placed Call

☒ Originator Received Call

Phone: (713) 227 1852

☐ Meeting at _____

Subject: Robin Road Drum

TDD #: 706-9604-006

PAN: ETX15105A D

Discussion:

TAT spoke with S. Wells regarding sampling at the Robin Road site.

He is not sure yet which drums or what analysis was to be performed.

But he was sure that Tanks (ASTs) were to be sampled. TAT tells S. Wells Manlift will be procured.

S. Wells tells TAT that K. Phillips will contact TAT with further information later today.

Follow - Up - Action:

Wait for call from K. Phillips

Mariano Gomez

(Print Originator's Name)

[Signature]

(Originator's Signature)



ecology and environment, inc.

RECORD OF COMMUNICATION

Conversation with:

Date 7 / 14 / 94
(Mo) (Day) (Year)

Name Bob Billston

Time 1530 AM/PM

Address Texas State Controller

☐ Originator Placed Call

Criminal Investigation Division

☒ Originator Received Call

Phone _____

(Area Code) (Number)

TDD# _____

PAN# _____

Subject Criminal Investigation at Robin Rd. Drum

Discussion: • Mr. Billston referred by OSC Pat Hammack

• Looking for info. on EPA activities

• State Controller office is investigating the
Mat Chem, Inc. business

Follow-Up-Action: Referred him to OSC Zehner @ Heard phone #
& EPA-CID Steve Wells @ Houston #

Originator's Signature: Jennifer Shields

(RWG 6/90)

RECORD OF COMMUNICATION

Conversation With:

Date:

7/29/94

(Month) (Day) (Year)

Name:

Warren Zehner

Time:

1530 AM/PM

Address:

USEPA

☒

Originator Placed Call

Houston

☐

Originator Received Call

Phone:

(713) 635-2901

☐

Meeting at

Subject:

Robin Road Drum

TDD #:

706-9406-006

Site

PAN:

72061 ETX15105AA

Discussion:

TAT informed OSC that Robin Road Drum TDD had only been issued for 200 hours rather than the 1500 provided by the draft TDD which was faxed when the project began.

OSC wants amendment for the 1500 hours w/ money.

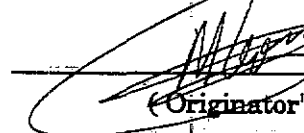
He also wants the completion date amended to 9/30/94 from the current 8/15/94.

Follow - Up - Action:

Fax to Dallas

Mariano Gomez

(Print Originator's Name)



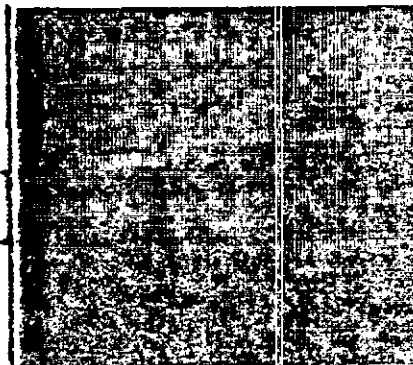
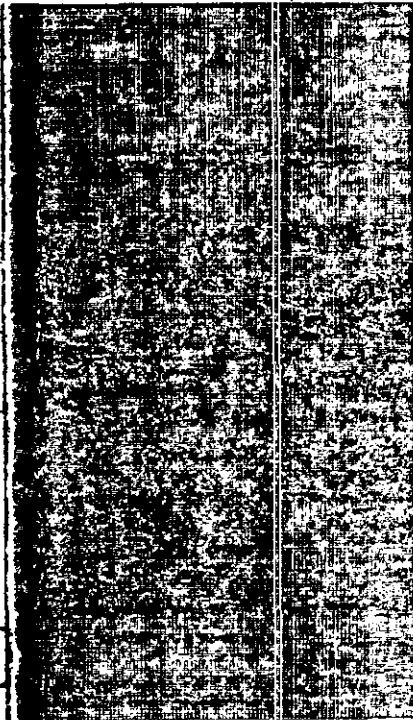
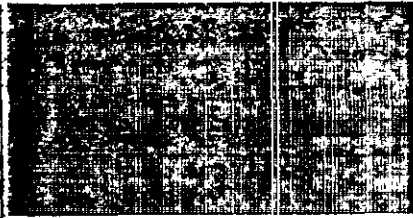
(Originator's Signature)



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ATTACHMENT - P

COPY OF LOGBOOK PAGES



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environment, inc.**

International Specialists in the Environment

Job Number ZT2061

MAT CHEM SITE
ROBIN ROAD SITE
HOUSTON, HARRIS CO, TEXAS

E & E Job Number ZT2061

Telephone Code Number _____

Site Name Protein RoadPlant Chem TricCity/State HOUSTON / HARRIS COUNTY / TEXASTDD TOE-9406-006PAN FTX 15105A B

SSID _____

Start / Finish Date 6/10/94 / 7/13/94Book 1 of 1

E & E Emergency Response Center: (716) 684-8940

E & E Corporate Center: (716) 684-8060

MEDTOX Hotline: (501) 370-8263

E & E Safety Director (Home): (716) 655-1260

4
6/10/44 Mat Chem Inc/Robin Road T86-9406-106
it appears that this pond receives
the drainage from the site. There is
a railroad track surrounding the North
and East sides of the site which is
risen about 10' which prevents
drainage outside the facility.
There is a 15'0" x 10'0" green colored
apparently oily inside the southern
most building.

The site has several accumulations
of water which seem contaminated.
1545 TATs exit Mat Chem facility, close
gate and stretch barricade tape across
gate.

1550 TAT phones OSC Zehner and relay all
pertinent information. TAT tells OSC
of inventory operations on 6/13/44
and sampling operations on 6/15/44.

1555 TATs depart site en route to office.

1630 TATs arrive to office, TAT Gomez
prepares for Monday's inventory.

M Gomez

13/94

5

Mat. Chem Site/Robin Road T06-9406-006

000 TATs Reddy, Haglund, Abat and Gomez arrive at warehouse and load equipment to be used in today's inventory

030 TATs depart warehouse, stop at convenience store to pick up stress relief drinks since the temperature is expected to top 90°F

000 TATs arrive to the site - Site safety meeting - Weather highs in the 90s partly cloudy and very high relative humidity

TASKS - inventory all drums and tanks and obtain available information from each. Do air monitoring, get information on tank volumes and estimated contents

Safety - Level B work will be done inside buildings during air monitoring and inventory operations

Level C work outdoors after air monitoring has confirmed adequacy. Slip/trip/fall, no climbing on tanks, no moving of drums, frequent breaks due to extreme heat stress hazards.

Name Signature

Marion Gomez M. Gomez PM

Robert Haglund Robert E Haglund SSU

Satish Reddy Reddy TM

Andrea Abat Abat TM

0720 Gomez departs for warehouse to get OVA. OVM apparently not working properly.

0738 TATs Abat, Reddy doing monitoring with H.S. HCN monitoxes and rad mini radiation monitor. Will also begin drum inventory. In Level B PPE.

M. Gomez

6/13/94 Mat Chem Inc/Robin Road T06-9406 06 6

0807 TATS Abat, Reddy report @ ppm on both 09

H₂S, HCN monitors, no readings on rad-mine 10

0812 TAT Gomez returns with OVA 10

0820 Abat/Reddy exit warehouse. Gomez/Haglund
prepare to enter warehouse 10

0830 TATS Gomez and Haglund, dressed in level B
to do air monitoring around ASTs and inside
the warehouses 11

0900 TATS exit E2, several readings over 1000 ppm
were obtained utilizing OVA. These readings
were taken inside the head space of
several drums that had no bungs. Overall,
no readings (needle deflections) were
obtained inside the warehouse or outside
around the ASTs 11

0920 TATS Reddy and Abat nearby E2 to
inventory and label drums 12

0930 TATS Gomez and Haglund utilize pyrometer
to estimate the volumes in the ASTs. The
pyrometer is not very stable with the readings
but the following estimates are reached 1

Tank #1 DIM P38' H116" Vol 10,000g Tank #13 DIM P25'3" H23' Vol 9000g

Tank #2 DIM P38' H116" Vol 10,000g Tank #14 DIM P25'3" H23' Vol 9000g

Tank #3 DIM P38' H116" Vol 10,000g Tank #16 DIM P25'3" H18' Vol 9000g

Tank #4 DIM P38' H116" Vol 10,000g Tank #17 DIM P25'3" H18' Vol 9000g

Tank #5 DIM P38' H116" Vol 10,000g Tank #18 DIM P25'3" H18' Vol 9000g

Tank #6 DIM P38' H116" Vol 10,000g Tank #19 DIM P25'3" H18' Vol 9000g

Tank #7 DIM P25'3" H23' Vol 9000g Tank #20 DIM P25'3" H23' Vol 9000g

Tank #8 DIM P25'3" H23' Vol 9000g Tank #21 DIM P25'3" H23' Vol 9000g

Tank #9 DIM P25'3" H23' Vol 9000g Tank #22 DIM P25'3" H23' Vol 9000g

Tank #10 DIM P25'3" H23' Vol 9000g Tank #23 DIM P25'3" H23' Vol 9000g

Tank #11 DIM P25'3" H23' Vol 9000g Tank #24 DIM P25'3" H23' Vol 9000g

Tank #12 DIM P25'3" H23' Vol 9000g Tank #25 DIM P25'3" H23' Vol 9000g

Tank #13 DIM P25'3" H23' Vol 9000g Tank #26 DIM P25'3" H23' Vol 9000g

Tank #14 DIM P25'3" H23' Vol 9000g Tank #27 DIM P25'3" H23' Vol 9000g

Tank #15 DIM P25'3" H23' Vol 9000g Tank #28 DIM P25'3" H23' Vol 9000g

6/13/94 That Chem Inc/Pos. 1 Road TDC-94X-005
0950 TAT Abat exits E2, she takes break —
1005 TATS Haglund and Gomez in ABAT ABAT
address in level C to do ~~inventory~~ ^{H6} inventory
outside the warehouse
1015 TAT Reddy exits E2
1100 TAT ABAT EXITS E2
1110 TATS GOMEZ AND HAGLUND EXITE E2
1120 TAT ABAT REENTERS E2 IN LEVEL C
1150 TAT ABAT and Reddy exits E2
1200 TATS take lunch break
1230 TATS return from lunch break
1235 TAT Reddy crosses in level B, he will
draw a sketch of the site
TATS Haglund and Abat measure tanks
TAT Gomez will finish map of site. The
later TATS in level C
1330 TATS inventorying and getting tank dimensions
1357 J. Wells from EPA CIO arrives with
representative of the Harris Co.
Associates office
1413 TATS Haglund and Hunt finish
sketching the dimensions from
tanks
1420 TAT Gomez exits E2 TAT Shaws
says the CST found. He would
like TAT to sample all ASTs
1430 TAT Reddy exits E2
1445 TATS test integrity of ladders leading to the
tanks. TAT does not fill them and reliable.
1500 TAT Reddy monitors E2 in level B to
finish the site map
1502 J. Wells leaves site
He tells TAT to chain and lock gates
at Gomez

8

6/13/94 Met Chem Inc/Robin Road TOG-9406-506

1515 TATs flagline and flag, depart site
to get chains and locks

1525 TATs Reddy exits E2 after completing
site sketch

1545 TATs return from purchasing locks and chains

1553 TATs depart site for the day

1630 TATs arrive at warehouse and unload equipment,
clean and fill air tanks

1700 TATs depart warehouse

Summary - Inventory completed, appears organics
are the major components at the site. Some balpacks
are present as well as some acids. Mostly
55 gallon drums but 30, 10 and 5 gallon also present.

23 tanks ranging in volume from
with unknown contents and volume of material.
TAT 10% hours

McGomer

5/16/94

Mat Chem Inc. Mohr road 706-4406 006

9

0600 TATS Cornelius, Reese, Leski, Abat, Haglund, Redpath, Beeson, Reddy and Giner arrive at warehouse begin to load equipment

0630 TATS depart warehouse en-route to Mat Chem site

0650 TATS arrive at site begin setting up

0710 ~~TATS arrive at site~~ 16 TAT safety meeting

Today's weather - hot highs in the low to mid 90's, high humidity, partly cloudy with a chance of rain

Today's tasks - Sample containers ranging in size from 5-55 gallon. Sampled the 23 tanks (ASTs) and the one located UST. Field screen these samples and categorizing by hazard class. Photodocument activity.

Coordinate with OSC and other federal and state officials

Safety - Heat Stress - Monitored at all times, be aware of symptoms, take breaks, make them longer as day progresses.

Slip/trip/fall. Level B work/saranex for sampling and field screening. Follow safety plan at all times.

Buddy system should be followed. Use safety harness and ladders while utilizing the manlift - Be safe and aware of developing conditions. Only designated, trained personnel will use manlift. Follow OSHA regs. Everyone reads/signs SSP.

0810 Hold site safety meeting. Do baseline blood pressures.

0830 Begin dressing out for sampling Abat, Reddy,

0910 Abat, Reddy, Reese sampling drums Level Bin warehouse Redpath, Cornelius, Beeson sampling

6/16/94 MAT CHEM, INC/Robin Road 706-9406-006
tanks in berm.

0940 TATS out of hot zone for break.

0950 manlift delivered by Prime Equipment Rental

1020 Alford, Reddy, Beeson return to drum sampling

1050 TATS break from drum sampling. Beeson, Redpath, Cornelius sampling tanks.

1055 TAT Cornelius provides status report on tanks.

Tank 17 - completely dry - empty

Tank 7 - 2" sludge

Tank 2 - completely dry - empty

Tank 1 - 7000 gals - sampled

Tank 3 - 4000 gals - sampled

Tank 4 - 2500 gals - sampled

Tank 5 - 72.5 gals x 2 - sampled

Tank 6 - 72.5 gals x 2 - sampled

Tank 8 - empty

Tank 9 - 1600 gals - sampled

Tank 10 - empty

Tank 11 - empty or close to it

Tank 12 - 2250 gals - sampled

Tank 13 - empty

Tank 14 - 2250 gals - sampled

Tank 15 - 450 gals - sampled

Tank 16 - sampled

1135 TATS resume drum sampling.

1150 TATS cease drum sampling. TATS collect equipment.

1220 TATS depart site for lunch

1320 TATS return from lunch

1400 TATS HAGLUND, GOMEZ AND REDDY ENTER EZ

TO CONTINUE SAMPLING. TATS BEESON, REDPATH,

H. Gomez

000166

6/16/94 MAT CHEM, INC/Robin Road TOC-9406-006

CORNELIUS CONTINUE SAMPLING LARGE TANKS. TATS REESE AND LESH CONTINUE HAZCATTING. TAT ABAT PROVIDES SUPPORT TO SAMPLERS IN WAREHOUSE EZ. —

1440 TATS GOMEZ, HAGLUND, REDDY, BEESON, CORNELIUS, RIDPATH, ABAT TAKE BREAK. —

1515 TATS RIDPATH, CORNELIUS AND BEESON ENTER EZ TO FINISH SAMPLING LARGE TANKS. —

1600 OSC Zehner arrives —

1610 TAT teams take break —

1640 TATS resumes work, sampling, hazard categorization and tank sampling —

1720 TATS stops work for the day, equipment and supplies are put up —

Missed entry - 1400 S. Wells arrives —

1500 S. Wells departs after speaking with OSC —

1800 TAT and OS depart site —

missed entry 1740 S. Hamm from the TNRCC arrives —

1800 S. Hamm departs site after touring site —

1830 TAT teams arrives to the warehouse —

begin cleaning equipment —

1900 TATS departs warehouse for the day —

Summary - TAT 12 hours, all ASTs

sampled, approximately 100-125 drums

sampled, 1/2 of them field screened —

Future plans 6/17/94 finish sampling

and hazard categorization —

M. Gomez

06/12/94 Mat Chen Inc/Robin Road 706-9406-006
 0600 TATs Beeson, Reese, Haglund, Cornelius,
 Reddy, Leshi, Gomez and Ridpath
 arrive at warehouse and load supplies
 TAT Abat will not be on-site today

0620 TATs depart warehouse

0645 TATs arrive to site/set up

0700 TAT safety meeting - Today's weather
 partly cloudy with a high in the mid
 40's and high humidity

Tasks - sample drums and pails, inventory
 lab packs, arrange these packs proximal,
 field screen samples, sample vials, &
 photograph all site activities.
 Coordinate with OSC and other government
 officials

Safety - follow safety plan and proper
 SOPs. Heat stress warning throughout the
 day. Reduce working time as heat
 increases. Be aware of surroundings and
 heat stress conditions. Buddy system at
 all times. Level B work for field
 screening, Level B for sampling vials
 and drums, Level C for lab pack inventory

Name	Signature	
M. Gomez	M. Gomez	PM
M. Leshi	[Signature]	Gumbie
J. Cornelius	[Signature]	G2
S. Reese	[Signature]	Field Screen
R. Haglund	[Signature]	SSO
D. Beeson	[Signature]	Sampler
B. Ridpath	[Signature]	Sampler
Satish Reddy	[Signature]	Sampler
	M. Gomez	

1/17/194 Mat Chem Inc/Robin Road TOS-9406-006
 720 TATs Leshi, Basse and Redpath begin
 hazard categorization in level B. TATs
 Haglund, Reddy and Gomez also
 checked in level B enter E2 to sample
 TATs Beeson and Cornelius sample USTs
 in level C

800 All TATs exit E2, break due to
 extreme heat exhaustion possibility

830 TATs resume work, all the above
 tasks are the same except Cornelius
 and Beeson inventory, Labpacks

915 TATs exit E2, break

945 TATs reenter E2, Man lift has been
 picked up

015 TATs exit E2, break

045 TAT resumes above tasks

130 TAT exits E2

200 TAT takes lunch break

300 TAT returns from lunch

315 S Wells and B Lynch arrive to
 New site

400 S TAT resumes operations, TATs Gomez,
 Reddy and Haglund sample drums in the
 south side of the facility, TATs Cornelius
 and Beeson sample the 5-gallon Suckets
 inside the cage, TATs Basse, Leshi
 and Redpath continue hatching. All
 these operations take place in level B

340 S Wells and B Lynch depart site

400 TATs break

130 TATs reenter E2 in level B, opera-
 tions (sampling, Field screening continue)

M Gomez

6/17/94 Mat Chem Inc / Robin Reed 706-9406-

1500 TATs take break. Severe heat exhaustion possible due to high humidity and temper. time in the middle 90's

1530 TATs near Exit E2, TATs Cornelius and Benson finish inventory and indoor sampling-

1550 Regulator of cylinder being utilized for sampling south of the main warehouse. Breaks when cylinder falls. TATs exit E2.

1600 Remainder TATs exit E2.

1620 TAT checks sampled drums against inventory. Hazard categorization resume by TATs Leshi and Reese.

1700 TAT begins packing up, no more breathing air, 120 more samples need to be taken and approximately 60 samples need to be field screened, over 100 need flammability and OVA screening.

~~1700~~ ¹⁷⁰⁰ ~~1730~~ ¹⁷³⁰ TAT team departs site.

1815 TAT team arrives at warehouse, release equipment, prepare field screening chemicals, fill air bottles.

1900 TAT team exits warehouse.

Summary - all ASTs and USTs sampled 20 drums need sampling, 60 samples need full field screening, over 100 need flammability and OVA screening. TAT 12 hours.

M. Gomez

06/20/99 Mat C. Tac/Robin Road 9406-006

0600 TATs Gomez, Reddy, Haglund and Beeson arrive to warehouse. Load equipment

0620 TAT team departs warehouse

0700 TAT team arrives at site, sets up heat station and other equipment

0725 TAT safety meeting. Weather - partly cloudy and hot, highs in the mid 90's, high humidity. Tasks - complete sampling the approximately 20 samples left to be taken. Field screen close to 1000 samples, demobilize photo document, coordinate with OSC and other officials

Safety - heat stress warning throughout the day. Keep a close eye for heat stress symptoms, slip/trip/fall. all level B work is/will be, use buddy system at all times, take frequent breaks

Name

Signature

Marian Gomez

M. Gomez

PM

Roberta Haglund

Roberta Haglund

SSO

David Beeson

[Signature]

Sampler

Saturday

Friday

Sampler

0740 TATs Reddy and Beeson dress up in level B and enter hot zone to collect missing samples. TATs Haglund and Gomez begin field screening samples

0830 TATs Reddy and Beeson exit E2 so does field screening team

0850 TATs return to E2 in level B, sampling and field screening

M Gomez

06/20/94 Mat Chem Inc / Robin Road TO6-9406-006

0930 TATs Reddy and Beeson finish sampling. TATs, Highland and Gomez completed the full field screening of the 60 samples.

1000 TATs reenter E2, all in level B. TATs Reddy and Beeson conduct OVA screening of samples. TATs Highland and Gomez do flammability testing.

1030 TATs exit E2, take break.

1050 TATs resume prior activities.

1130 TATs conclude field screening. Begin loading up equipment, Thunderstorm moving in.

1200 Heavy rain begins.

1230 TATs depart site.

1300 TATs take lunch break.

1330 TATs finish lunch break.

1340 TAT team arrives at warehouse. unload equipment, decontaminate equipment.

1430 TAT Gomez speaks with OSC Zahner. OSC wants TAT, when taking the samples for CTD, to take 6 soil samples. 2 in the drainage area between the loading dock and the fence (South of facility), 2 of the sediments inside the pond in the southeast corner of facility and 2 other at TATs discretion. Analysis should be priority. Pollutants

06/20/94 Mat Chem Inc/Robin Road 706-9406-006

1530 TATs depart wine house
Summary - TAT 9 hours, sampling and
field screening completed. Data entry
required

W. Gomez

06/26/94 Mat Chem Inc / Robin Road 706-9406 p06
 0600 TATs Gomez and Haglund meet at
 warehouse

0620 TATs depart warehouse en route to the
 site

0650 TAT safety meeting - Weather hot and
 humid with highs in the mid 90's -
 Today TAT will complete the field
 screening procedures, inventory, the
 cage check. Safety use buddy system
 at all times, level C work, proper
 air monitoring shared no levels
 above background. Heat stress
 warning throughout the day

0700 TATs begin field screening

0740 TATs break due to severe heat

0800 TATs resume work

0830 TATs break and depart site to get
 stress relief

0900 TATs return to the site, S. Wells
 (EPA-CIO) is at the gate, TAT has
 noticed, during entry this morning that the
 chain had been cut and a new
 lock installed. S. Wells is informed
 of the situation, he surveys the
 site for any changes

0905 TAT resumes work

0915 S Wells departs site, no change
 has taken place as observed by S. Wells

0930 TAT enters warehouse to inventory the
 drums/containers inside the
 cage

1030 TAT exits warehouse, TAT noticed that
 drums numbered 14-21 have been
 removed

06/26/94 Mat Chem Inc / Robin Road 705-9406-006

unstacked. These drums are labeled
Exxon Chemical, 6 have RMS-0962

Non hazardous labels and 2 have
Corrosive liquid - Alkyl Amine labels.

1100 TAT removers warehouse 1 samples
drums 14-21 and rechecks contents
of drums 38-60.

1120 TATs exit warehouse drums 38-60 contain
similar materials. Only difference being
the consistency (gel or solid) of
the materials.

1140 TAT continuing field screening

1200 TAT completes field screening,
depicts site

1400
2500 NG TAT phones S. Wells to inform him
of the drums that were moved. He
is also informed on the pickup of that
prime equipment attempted to deliver
to the site on 6/13/94. (Not noted
because it seemed unimportant).

Mr. Wells wants TAT to reinventory
all of the site's drums to see if any
have been taken

M. Gomez

6/28/94

MATCHEM / ROBIN ROAD

T06-9406-006

SITE SAFETY / WORK PLAN MEETING

TIME: 0745 WEATHER: Sunny, 78°F, high to 96°F

PROPOSED WORK/SAFETY TOPICS:

Conduct inventory of drums, containers on site. Verify inventory on site sketch of warehouse. Hazards: acids, paint wastes, waste oils, ink wastes, caption. Slip/Trip/Fall cut, puncture, heat stress, Work in Level C with SNC-H cartridges. Drink lots of stress relief liquids

SIGNATURE

PRINT NAME

DRIES/APP'L.

Roberta Haglund

Roberta Haglund

REH

SSJ

M. Gomez

Mariano Gomez

TL

CONDUCTED BY: Roberta Haglund

0730 TATs Roberta Haglund and Satish Reddy meet at the warehouse to load vehicle with required equipment to conduct site activities.

0740 TATs depart warehouse for the site.

0810 TATs arrive at site. Gate is locked, does not appear to have been opened.

0825 TATs dressed out in Level C PPE. TAT Reddy will ^{crew} locate drums and read off numbers. TAT Haglund will verify on warehouse/site drum/container map.

0910 Steve Wells arrives on site. TAT continues inventory.

0930 Kim Tonn paugh, Keith Phillips, CID from Dallas, arrive on site and meet with Steve Wells. TAT continues inventory.

per

H. Gomez

ecology and environment

000176

10/28/94 MAT CHEM/ROBIN ROAD T06-9406-006

1000 TATs complete inventory No drums or
containers missing. TATs meet with Wells
Phillips and Turnpugh. Wells says sampling
will not be done until after the July 4 Holiday.
1030 Wells Phillips, Turnpugh off-site.
1045 TATs depart site for warehouse. Gate is secured.
1115 TATs return to warehouse, unpack equipment.
1130 TATs depart warehouse for office.

McGone 2

6/29/94 Matcham/Robin Road TDC-9406-006

0900 TATs Gomez and Haglund depart
office en-route to the Robin Road
site

0930 TATs arrive at the site, unload
and set up equipment

0930 TAT safety meeting - Today's weather
sunny with a high in the 90's, possi-
bility of severe weather during the
afternoon hours

Today TAT will QA some of the
height data previously obtained as
well as account for all of the
samples taken for field screening
purposes.

Safety - splash protection, level
C work w/GMCM cartridges
safety belts, buddy system
heat stress warning throughout the
day

M Gomez

M Gomez

0935 TATs begin field screening

1020 conclude site operations, depart
site

1100 TAT at warehouse, unload equipment

M Gomez

added paper.

000179

7/13/94 MATCHEM / REBIN ROAD T06-9406-006

002, 005 and 006 collected
1010 TATS Cornelius and Malone enter E2
in level C to collect samples 003 and
004

1040 TATS complete soil sample collection,
TATS complete custody forms, label
all samples as part 800

Missing entry - 0755 EPA-CID team composed of
Steve Wells and three other agents arriving
to the site

1100 TATS resume sample collection, begin
collection of drum samples for EPA-CID,
QASP followed. Samples are collected and
left on top of drum so that CID agents
may photograph

1125 TAT exit Exclusion Zone, all jars for
sampling have been located on top of
the designated drums

1135 TAT begins sample collection
Drums 001, 013, 064, 065, 066, 094, 095, 096, 097, 098
sampled by M. Gomez, J. Cornelius and
M. Malone in level B utilizing glass
drum thieves

1210 TATS exit Exclusion zone, samples are
left on top of drums

1230 TAT departs site for lunch, EPA-CID
personnel stay

1330 TAT returns from lunch begin/continue
sampling in level B

1400 TATS exit E2, Drums 008, 119, 121, 186,
219, 258, 262, 285 and 281 are sampled

Break taken, severe heat

M. Gomez

ecology and environment

7/13/94 Matchem / Robin Road 706-446-006

1430 TAT resume sampling in level B

1500 TAT finishes the sampling of drums, drums 156, 157, 158, 159, 784 are sampled

1 TATs break

1530 TATs resume work, while TATs Gomez and Ginelius sample tanks the remainder TATs will pick up samples since EPA-CID has finished photo documenting, video documenting the site

1600 TATs Gomez and Ginelius finish sampling tanks 021 and 023, TANK 005 was empty and not sampled, - S. Wells says it's OK

1610 OSC Zohar arrives

1615 TAT begins to label, seal, and to fill out the chain of custody forms

1730 Completed custody of samples collected are sealed, Hazmat / Pack box is sent with sample duplicates for archive. Custody seals on coder are 0005942 and 0005943

1800 TATs depart site, OSC departs site. TAT leaves a site key with S. Wells who still has to finish some work

1900 TATs ship samples at FedEx office, Aribill # 1759408906 and 1759408884

1930 TATs at warehouse unload equipment

2000 Conclude activities for the day

M. Gomez

07/12/94 Mat + New Inc Robin Road Trum TOL-9406-006

SAMPLE DATA LOG

SAMPLERS: Gomez / Mulara / T. Cornejo

SAMPL #	TIME	ATK	C	NO	LOCATION/COMMENTS
001	1135	L	C	No	6-019023, 6-019024, 6-019025
008	1330	L	C	No	6-019026, 6-019027, 6-019028
013	1155	L	C	No	6-019029, 6-019030, 6-019031
064	1202	S	C	No	6-019032, 6-019033, 6-019034
065	1208	S	C	No	6-019035, 6-019036, 6-019037
066	1205	S	C	No	6-019038, 6-019039, 6-019040
094	1140	S	C	No	6-019041, 6-019042, 6-019043
095	1142	S	C	No	6-019044, 6-019045, 6-019046
096	1145	S	C	No	6-019047, 6-019048, 6-019049
097	1150	S	C	No	6-019050, 6-019051, 6-019052
098	1153	S	C	No	6-019053, 6-019054, 6-019055
119	1340	L	C	No	6-019056, 6-019057, 6-019058
121	1355	L	C	No	6-019059, 6-019060, 6-019061
156	1455	L	C	No	6-019062, 6-019063, 6-019064
157	1450	L	C	No	6-019065, 6-019066, 6-019067
158	1445	L	C	No	6-019068, 6-019069, 6-019070
159	1448	L	C	No	6-019071, 6-019072, 6-019073
184	1438	L	C	No	6-019074, 6-019075, 6-019076
186	1341	S	C	No	6-019077, 6-019078, 6-019079
211	1435	S	C	No	6-019080, 6-019081, 6-019082
219	1354	S	C	No	6-019083, 6-019084, 6-019085
258	1352	L	C	No	6-019086, 6-019087, 6-019088
262	1342	L	C	No	6-019089, 6-019090, 6-019091
281	1400	L	C	No	6-019092, 6-019093, 6-019094
285	1351	L	C	No	6-019095, 6-019096, 6-019097
TK021	1550	L	C	No	6-019101, 6-019102, 6-019103
TK023	1540	L	C	No	6-019104, 6-019105, 6-019106

M. Gomez

40

PHOTOGRAPH LOG

CAMERA/LENS (MODEL)

SERIAL #

TIME CO/PR# ROL# DIR

SUBJECT

P/W

14/60me2

000183

paper

ecology and environment

000183

6/13/94

Mat Chem Ins/Robin Road 706-9406-006

PHOTOGRAPH LOG

CAMERA / LENS (MODEL)

P. K. N 4004

SERIAL # EPA 724943

TIME SQ/FR# ROLL# DIR SUBJECT P/W

1010 10 2 N using pyrometer in tank #1 Haglund

1015 11 2 NE using pyrometer in tank #3 Gomez

1020 12 5 NE Tank #7 leaking Gomez

6/16/94

0928 13 2 N Sampling Tank #3 Haglund

0930 14 2 NW Sampling Tank #1 Cornelia

1025 15 2 N Sampling drums in warehouse

1050 16 2 NW Sampling Tank #2 from top

1130 17 2 S Hazy setting setup

6/17/94

1330 18 2 close up Labpacks inside cage Besser

1330 19 2 <same> Cornelia

1330 20 2 <same>

1330 21 2 <same>

1330 22 2 <same>

1330 23 2 <same>

1330 24 2 <same>

1335 1-4 3 close up <same>

1345 5-17 3 close up Labpacks, 1-gallon

and 5-gallon containers

inside cage in warehouse

H. Gomez

706-9446-006 6/13/94

Mat Chapin Inc Robin Road 706-9446-006 43

	Tank #	Dimensions	Approx. Volume w/ Pyrometer	Approx. Capacity	Actual Content
	1	P 38' H 11'6"		10,000 gal	6,666 gal
	2	P 38' H 11'6"		"	2,500 gal
P/W	3	P 38' H 11'6"		"	3,333 gal
Haglund	4	P 38' H 11'6"		"	2,000 gal
Gomez	5	P 38' H 11'6"		"	sludge bottom
G	6	P 38' H 11'6"		"	sludge bottom
	7	D 5'3" L 12'3"	1985		sludge bottom
Haglund	8	P 25'3" H 23'	9000 gal		Empty trace
Corneil	9	P 25'3" H 23'	"		
	10	P 25'3" H 23'	"		
	11	D 5'2" H 6'10"	1072 gal		
	12	P 25'3" H 23'	9000 gal		
	13	P 25'3" H 23'	9000 gal		
Bessie	14	P 25'3" H 23'	9000 gal		
Corneil	15	P 25'3" H 23'	9000 gal		
	16	P 28'3" H 18'	9,000 gal		
	17	D 7'6" L 18'4"	6,000 gal		
	18	D 7'6" L 18'4"	6000 gal		
	19	D 9'6" L 30'	16,000 gal		4 compartments
	20	D 9'6" L 30'	16,000 gal		4 compartments
	21	P 28'3" H 18'	9,000 gal		
	22	D 8' H 8'	3,000 gal		
	23				
		P = Perimeter	Vol = $\pi r^2 H$		H = height
		D = diameter	A = $P^2 / 4\pi$		L = length

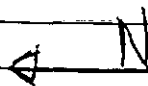
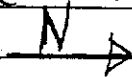
M Gomez

44

6/10/94

Mat Chem Inc / Robin Road 706-9406-006

6/10/94



Custom
Packaging
Co.

Gulf
State
PRINTS

Robin Blvd.

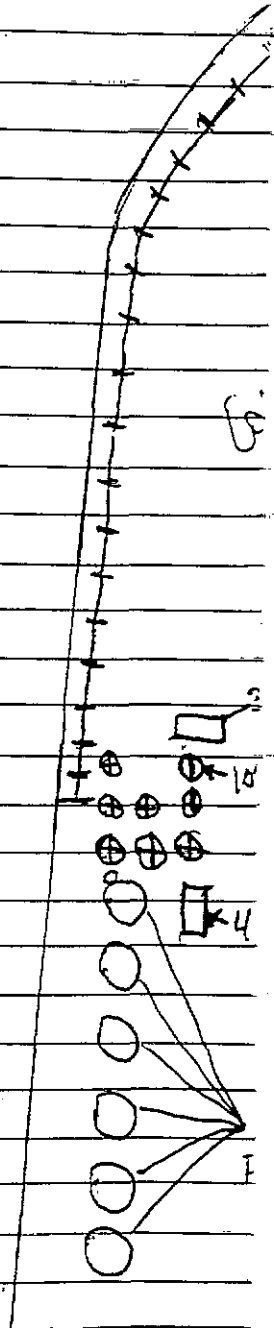
Redwood
Chemical

12235

11 17
MAT Chem

RR
Track

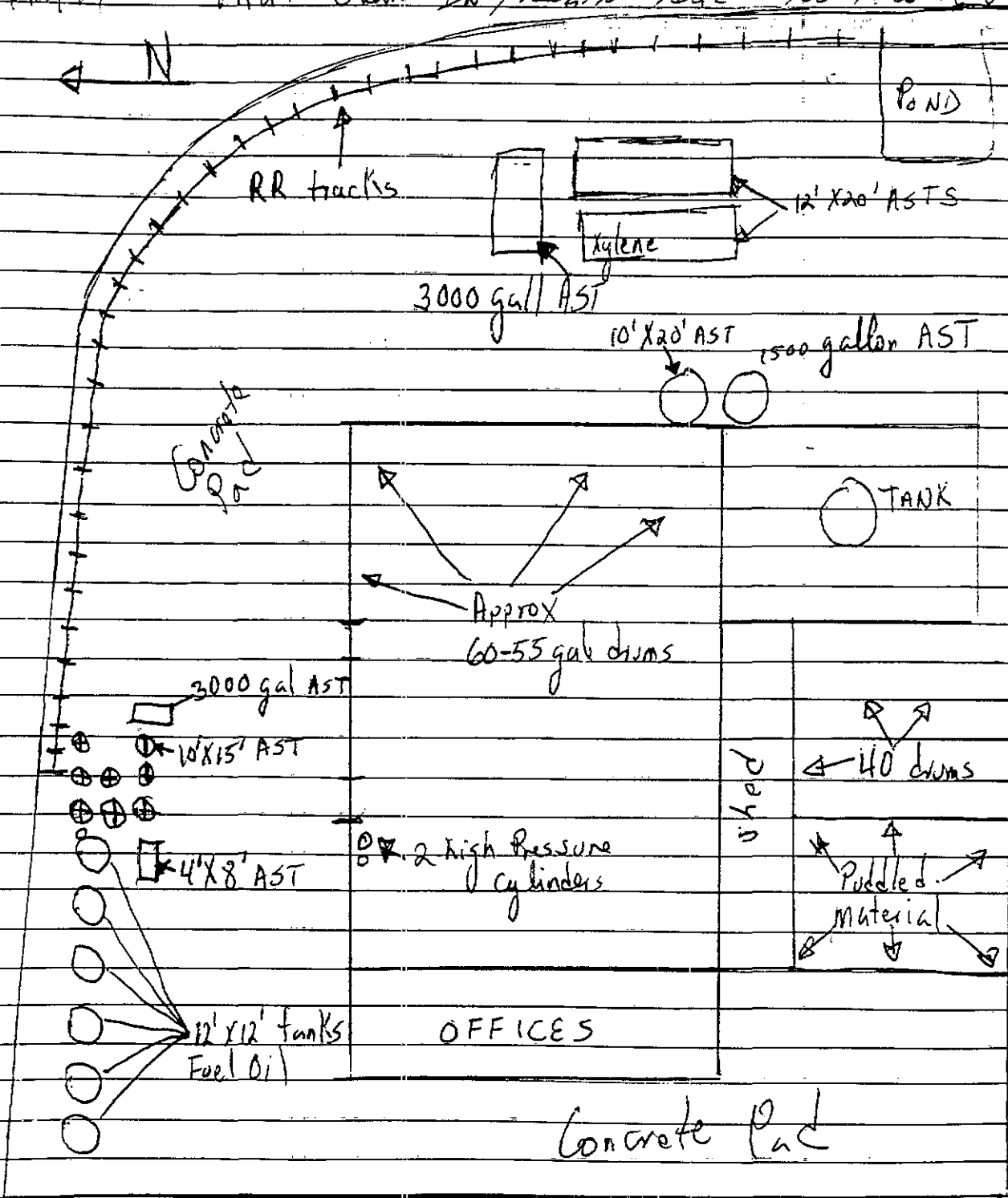
Memo?



07-10'X25'

6/10/94

Mat Chem Inc/Robin Rd 706-9406-006



7-10' X 25' tanks Robin Rd
M. Gomez

6/10/94

Mat Chem Inc / Robin Road 706-7406-400

07/12/94

PHOTOGRAPH LOG

CAMERA/LENS (MODEL) N. Kodak 4004

SERIAL # EPA 724443

TIME	SO/FEE	ROLLS	DIR	SUBJECT	F/W
1515	1	1	N	View of 6-12' X 12' ASTs	Green 2
1516	2	1	N	View of remainder ASTs	Reddy
1520	3	1	NW	View of all ASTs on front	
1521	4	1	E	View of drums inside building	
1521	5	1	E	"	
1522	6	1	SE	"	
1523	7	1	SE	The 5 ASTs in back of facility	
1524	8	1	SE	ASTs with Xylene labels	
1528	9	1	E	Drums in south of facility	
1529	10	1	N	Panoramic of facility	
1529	11	1	E	"	
1529	12	1	SE	"	
6/11/94	13	1	S	Pond on SE Corner	
1/13/94		2			Reddy
0843	1	2	N	View of TAT conducting air monitoring using OVA & Gas Tech instruments	Abell
0844	2		N	- Same -	
0847	3		N	- Same -	
0850	4		N	TAT air monitoring, isopropanol	
0851	5		N	Isopropanol, isopropanol	
0852	6		N	Exxon drums - nox-haz.	
0852	7		E	Staged open top drums	
0855	8		S	Drums staged in room south of main warehouse	
0855	9		W	Drums W of warehouse	
				M. Green	

SAMPLES: 6

SMPL # 1 11

001 09

001 09

001 09

002 09

002 09

002 09

003 10

003 10

003 10

004 10

004 10

004 10

005 09

005 09

005 09

005 09

005 09

006 09

006 09

006 09

006 09

24

SAFERS: Gomez / Malone } Gomez, US

SAFERS: Gomez / Malone } Gomez, US

HGomez

06/13/94 Matchem Inc / Robin Road 706-9406-006

INSTRUMENT LOG

INSTRUMENT	NO.	SALVE	DATE	LOG	BACK	NO.
IF					GRND	
OVA 2	ERA 645579	5/28/94	OVA 2	Oppm	Haglund	

10/6/94

ATTACHMENT Q
COPIES OF
TDD# T06-9406-006 and Amendment A
and
TDD# T06-9410-077 and Amendment A

1A. Cost Center:

ZT2061

1B. Estimate No.:

ETX1510SA

TAT ZONE II CONTRACT
CONTRACT NO. 68-WB-0037
TECHNICAL DIRECTION DOCUMENT (TDD)
ECOLOGY & ENVIRONMENT, INC.

2. No.:

T06-9406-006
F94-3530

Amendment

3A. Priority:

☒ High
☐ Medium
☐ Low

4A. Estimate of

Total Hours:
200Total Costs:
\$ 18,000.00

5A. EPA Site Name:

ROBIN ROAD DRUM

5B. SSID No.:

N/A

5C. City/County/State:

HOUSTON / HARRIS / TX

7. CERCLIS ID :

N/A

8A. Completion Date:

08/15/94

5B. EPA Contact:

Name:
ZENNER
Phone:
713 983-21274B. Overtime
Approved:☒ Yes
☐ No

6. Source of Funds:

☒ CERCLA
☐ OPA
☐ UST
☐ CEPP
☐ Other

8B. Reference :

☐ Yes ☐ Attached
☒ No ☐ Pick-up

9. Type of Activity:

OPACERCLAAS SPECIFIED ABOVE☐ SPC
☐ On-Scene Monitoring
☐ Spill Clean-up Funded☒ Site Assessment
☐ Removal Funded
☐ Removal PRP (AO/CO)
☐ On-Site Monitoring☐ Special Project
☐ Analytical Project
☐ Corp. Special Project
☐ Preparedness
☐ UST
☐ FEMA☐ Quality Assurance
☐ Training
☐ Program Management
☐ Technical Assistant
☐ Information Management

10. General Task Description:

CONDUCT SITE ASSESSMENT ACTIVITIES AT THE ROBIN ROAD DRUM SITE.11. Desired Report
Form:☒ Formal Report
☐ Letter Report
☐ Formal Briefing
☐ Other(Specify)

12. Specific Elements:

1. CONDUCT DRIVE BY ASSESSMENT .2. OBTAIN VERBAL AND WRITTEN SITE ACCESS.3. CONDUCT SITE ASSESSMENT ACTIVITIES.4. INVENTORY ALL DRUMS/TANKS AND DOCUMENT LABELS.5. HAZCAT DRUMS6. CONDUCT SAMPLING ON SELECTED DRUMS BASED ON HAZCAT RESULTS AND ENFORCEMENT NEEDS.7. PHOTODOCUMENT ALL ACTIVITIES.8. PROVIDE ASSISTANCE TO CID WITH ENFORCEMENT SAMPLING.9. COORDINATE WITH OSC AND UPDATE OSC BY PHONE AND POLREP.

13. Interim Deadlines:

3-9) WEEK OF 6/13/94

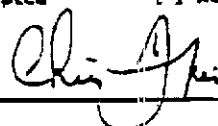
14. Authorizing DPO:


Signature

15. Date:

08/13/94

16. Received by:

☒ Accepted☐ Accepted with Exceptions (Attached)☐ Rejected
TATL Signature

17. Date:

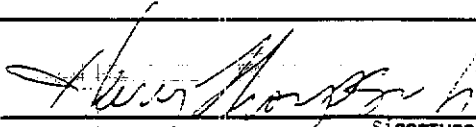
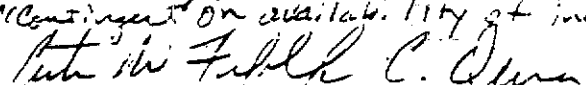
6/14/94

000193

TATL Signature

000193

Gomez

1A. Cost Center: ZT2061		TAT ZONE II CONTRACT CONTRACT NO. 68-WO-0037 TECHNICAL DIRECTION DOCUMENT (TDD) ECOLOGY & ENVIRONMENT, INC.		2. No.: T06-9406-006 F94-3530 Amendment <u>A</u>	
1B. Account No.: ETX1510SA					
3A. Priority:	4A. Estimate of	5A. EPA Site Name:		7. CERCLIS ID:	
<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	Total Hours: 1500 Total Costs: \$ 135,000.00	ROBIN ROAD DRUM		N/A	
		5B. SSID No.:	5C. City/County/State:		
		N/A	HOUSTON / HARRIS / TX		
3B. EPA Contact:	4B. Overtime Approved:	6. Source of Funds:		8A. Completion Date:	
Name: ZEHNER Phone: 713 983-2127	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> CERCLA <input type="checkbox"/> OPA <input type="checkbox"/> UST <input type="checkbox"/> CEPP <input type="checkbox"/> Other		09/30/94	
				8B. References: <input type="checkbox"/> Yes <input type="checkbox"/> Attached <input checked="" type="checkbox"/> No <input type="checkbox"/> Pick-up	
9. Type of Activity:					
<div style="display: flex; justify-content: space-between;"> <u>OPA</u> <u>CERCLA</u> <u>AS SPECIFIED ABOVE</u> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 22%;"> <input type="checkbox"/> SPCC <input type="checkbox"/> On-Scene Monitoring <input type="checkbox"/> Spill Clean-up Funded </div> <div style="width: 22%;"> <input checked="" type="checkbox"/> Site Assessment <input type="checkbox"/> Removal Funded <input type="checkbox"/> Removal PRP (AO/CO) <input type="checkbox"/> On-Site Monitoring </div> <div style="width: 22%;"> <input type="checkbox"/> Special Project <input type="checkbox"/> Analytical Project <input type="checkbox"/> Corp. Special Project <input type="checkbox"/> Preparedness <input type="checkbox"/> USF <input type="checkbox"/> FEMA </div> <div style="width: 22%;"> <input type="checkbox"/> Quality Assurance <input type="checkbox"/> Training <input type="checkbox"/> Program Management <input type="checkbox"/> Technical Assistant <input type="checkbox"/> Information Management </div> </div> <p style="margin-top: 20px; font-size: 1.2em;">Telecode: 0421</p>					
10. General Task Description: <u>CONDUCT SITE ASSESSMENT ACTIVITIES AT THE ROBIN ROAD DRUM SITE.</u>				<div style="border: 2px solid black; padding: 5px; display: inline-block;"> RECEIVED AUG 11 1994 ECOLOGY & ENVIRONMENT, INC. HOUSTON TEXAS </div>	
12. Specific Elements:				11. Desired Report Form:	
THIS TDD IS BEING AMENDED TO ADD HOURS AND COST AND EXTEND THE COMPLETION DATE IN ORDER TO COMPLETE THE PROJECT. ORIGINAL ELEMENTS: 1. CONDUCT DRIVE BY ASSESSMENT. 2. OBTAIN VERBAL AND WRITTEN SITE ACCESS. 3. CONDUCT SITE ASSESSMENT ACTIVITIES. 4. INVENTORY ALL DRUMS/TANKS AND DOCUMENT LABELS. 5. HAZCAT DRUMS 6. CONDUCT SAMPLING ON SELECTED DRUMS BASED ON HAZCAT RESULTS AND ENFORCEMENT NEEDS. 7. PHOTODOCUMENT ALL ACTIVITIES. 8. PROVIDE ASSISTANCE TO CID WITH ENFORCEMENT SAMPLING. 9. COORDINATE WITH OSC AND UPDATE OSC BY PHONE AND POLREP.				<input checked="" type="checkbox"/> Formal Report <input type="checkbox"/> Letter Report <input type="checkbox"/> Formal Briefing <input type="checkbox"/> Other(Specify)	
				13. Interim Deadlines: <u>3-9) WEEK OF 6/13/94</u>	
14. Authorizing DPO: 				15. Date: <u>08/02/94</u>	
16. Received by: <input type="checkbox"/> Accepted <input checked="" type="checkbox"/> Accepted with Exceptions (Attached) <input type="checkbox"/> Rejected "Contingent on availability of incremental funding"  BATL Signature				17. Date: <u>08/04/94</u>	

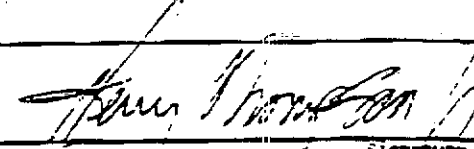
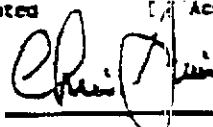
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1A. Cost Center: ZT3061		TAT ZONE II CONTRACT CONTRACT NO. 68-WO-0037 TECHNICAL DIRECTION DOCUMENT (TDD) ECOLOGY & ENVIRONMENT, INC.		2. No.: T06-9410-077 F94-3530	
1B. Account No.: ETX1510SB				Amendment _____	
3A. Priority: <input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low		4A. Estimate of Total Hours: 875 Total Costs: \$ 96,113.86		5A. EPA Site Name: ROBIN ROAD DRUM	
		5B. SSID No.: N/A		5C. City/County/State: HOUSTON /HARRIS / TX	
3B. EPA Contact: Name: ZEHNER Phone: 713 983-2127		4B. Overtime Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		6. Source of Funds: <input checked="" type="checkbox"/> CERCLA <input type="checkbox"/> OPA <input type="checkbox"/> UST <input type="checkbox"/> CEPP <input type="checkbox"/> Other _____	
				7. CERCLIS ID:	
				8A. Completion Date: 10/15/94	
				8B. Reference: <input type="checkbox"/> Yes <input type="checkbox"/> Attached <input checked="" type="checkbox"/> No <input type="checkbox"/> Pick-up	
9. Type of Activity: <div style="display: flex; justify-content: space-between;"><div><u>OPA</u> <input type="checkbox"/> SPCC <input type="checkbox"/> On-Scene Monitoring <input type="checkbox"/> Spill Clean-up Funded</div><div><u>CERCLA</u> <input checked="" type="checkbox"/> Site Assessment <input type="checkbox"/> Removal Funded <input type="checkbox"/> Removal PRP (AQ/CO) <input type="checkbox"/> On-Site Monitoring</div><div><u>AS SPECIFIED ABOVE</u> <input type="checkbox"/> Special Project <input type="checkbox"/> Analytical Project <input type="checkbox"/> Corp. Special Project <input type="checkbox"/> Preparedness <input type="checkbox"/> UST <input type="checkbox"/> FEMA</div><div><input type="checkbox"/> Quality Assurance <input type="checkbox"/> Training <input type="checkbox"/> Program Management <input type="checkbox"/> Technical Assistant <input type="checkbox"/> Information Management</div></div> Teletype : 0420					
10. General Task Descriptions: CONDUCT SITE ASSESSMENT ACTIVITIES AT THE ROBIN ROAD DRUM SITE.				11. Desired Report Form: <input checked="" type="checkbox"/> Formal Report <input type="checkbox"/> Letter Report <input type="checkbox"/> Formal Briefing <input type="checkbox"/> Other(Specify) _____	
12. Specific Elements: 1. CONDUCT DRIVE BY ASSESSMENT . 2. OBTAIN VERBAL AND WRITTEN SITE ACCESS. 3. CONDUCT SITE ASSESSMENT ACTIVITIES. 4. INVENTORY ALL DRUMS/TANKS AND DOCUMENT LABELS. 5. HAZCAT DRUMS 6. CONDUCT SAMPLING ON SELECTED DRUMS BASED ON HAZCAT RESULTS AND ENFORCEMENT NEEDS. 7. PHOTODOCUMENT ALL ACTIVITIES. 8. PROVIDE ASSISTANCE TO CID WITH ENFORCEMENT SAMPLING. 9. COORDINATE WITH OSC AND UPDATE OSC BY PHONE AND POLREP. <div style="text-align: right; margin-top: 20px;">OCT 20 1994 EPA HOUSTON</div>				13. Interim Deadlines: N/A	
14. Authorizing DPO: <div style="text-align: center; margin-top: 20px;">J. Chris Petersen Signature</div>				15. Date: 10/3/94	
16. Received by: <input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Accepted with Exceptions (Attached) <input type="checkbox"/> Rejected <div style="text-align: center; margin-top: 20px;">Chris Juin TATL Signature</div>				17. Date: 10/5/94	

1A. Cost Center: 2T3061		TAT ZONE II CONTRACT CONTRACT NO. 68-MO-0037 TECHNICAL DIRECTION DOCUMENT (TDD) ECOLOGY & ENVIRONMENT, INC.		2. No.: T06-9610-077 F96-3530 Amendment <u>A</u>	
1B. Account No.: ETX1510SB					
3A. Priority: <input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	4A. Estimate of Total Hours: 875 Total Costs: \$ 96,113.86	5A. EPA Site Name: ROBIN ROAD DRUM		7. CERCLIS ID: N/A	
		5B. SSID No.: N/A	5C. City/Country/State: HOUSTON / HARRIS / TX	8A. Completion Date: 12/30/96	
3B. EPA Contact: Name: ZEHRER Phone: 713 983-2127		4B. Overtime Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		5. Source of Funds: <input checked="" type="checkbox"/> CERCLA <input type="checkbox"/> CEPP <input type="checkbox"/> OPA <input type="checkbox"/> Other <input type="checkbox"/> UST	
				8B. Reference: <input type="checkbox"/> Yes <input type="checkbox"/> Attached <input checked="" type="checkbox"/> No <input type="checkbox"/> Pick-up	
9. Type of Activity:					
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <u>OPA</u> <input type="checkbox"/> SPCC <input type="checkbox"/> On-Scene Monitoring <input type="checkbox"/> Spill Clean-up Funded </div> <div style="width: 30%;"> <u>CERCLA</u> <input checked="" type="checkbox"/> Site Assessment <input type="checkbox"/> Removal Funded <input type="checkbox"/> Removal PRP (AO/CO) <input type="checkbox"/> On-Site Monitoring </div> <div style="width: 30%;"> <u>AS SPECIFIED ABOVE</u> <input type="checkbox"/> Special Project <input type="checkbox"/> Analytical Project <input type="checkbox"/> Corp. Special Project <input type="checkbox"/> Preparedness <input type="checkbox"/> UST <input type="checkbox"/> FEMA </div> <div style="width: 30%;"> <input type="checkbox"/> Quality Assurance <input type="checkbox"/> Training <input type="checkbox"/> Program Management <input type="checkbox"/> Technical Assistant <input type="checkbox"/> Information Management </div> </div> <p>Telecode: 0420</p>					
10. General Task Description: <u>CONDUCT SITE ASSESSMENT ACTIVITIES AT THE ROBIN ROAD DRUM SITE.</u>				11. Desired Report Form: <input checked="" type="checkbox"/> Formal Report <input type="checkbox"/> Letter Report <input type="checkbox"/> Formal Briefing <input type="checkbox"/> Other(Specify)	
12. Specific Elements: <u>This TDD is being amended to extend the completion date due to change in priorities.</u> <u>Original Elements:</u> 1. <u>CONDUCT DRIVE BY ASSESSMENT.</u> 2. <u>OBTAIN VERBAL AND WRITTEN SITE ACCESS.</u> 3. <u>CONDUCT SITE ASSESSMENT ACTIVITIES.</u> 4. <u>INVENTORY ALL DRUMS/TANKS AND DOCUMENT LABELS.</u> 5. <u>HAZCAT DRUMS</u> 6. <u>CONDUCT SAMPLING ON SELECTED DRUMS BASED ON HAZCAT RESULTS AND ENFORCEMENT NEEDS.</u> 7. <u>PHOTODOCUMENT ALL ACTIVITIES.</u> 8. <u>PROVIDE ASSISTANCE TO CID WITH ENFORCEMENT SAMPLING.</u> 9. <u>COORDINATE WITH OSC AND UPDATE OSC BY PHONE AND POLREP.</u>				13. Interim Deadlines: N/A	
14. Authorizing DPO:  Signature				15. Date: 10/13/94	
16. Received by: <input checked="" type="checkbox"/> Accepted <input type="checkbox"/> Accepted with Exceptions (Attached) <input type="checkbox"/> Rejected  TATE Signature				17. Date: 10/13/94	

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